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## Hoists

# Hoist or Puller need a repair?

**WE OFFER COMPLETE IN-HOUSE REPAIR OF ELECTRIC AND MANUAL CHAIN HOISTS.**



**Repairs and testing comply with ANSI B30.16 specifications.**

**We repair all types and brands of manual and electric hoists.**

**We are a stocking distributor of Columbus McKinnon, Harrington, Coffing, Tractel, JD Newhouse, and Lugall Hoists & Pullers. We repair, service, and test hoists in our facilities.**

**Rentals are also Available.**



### **⚠ WARNING**

**Consult company for any usage of hoists that do not involve lifting of the load on the lower hook, or usage of hoists in the inverted position. Using hoists, without special precautions, in such applications may cause an accident that could result in injury and/or property damage.**

## DO'S AND DON'TS

### Safe Operation of Hoists

The following are Do's and Don'ts for safe operation of overhead hoists. Taking precedence over any specific rule listed here, however, is the most important rule of all-USE COMMON SENSE. A few minutes spent reading these rules can make an operator aware of dangerous practices to avoid and precautions to take for his/her own safety and the safety of others. Frequent examinations and periodic inspections of the equipment as well as a conscientious observance of safety rules may save lives as well as time and money.

### **⚠ WARNING**

#### To Avoid Injury

- DO read ANSI B30.16 Safety Standard for Overhead Hoists and Hoist Manufacturer's Operating and Maintenance Instructions.
- DO be familiar with hoist operating controls, procedures, and warnings.
- DO make sure hook travel is in the same direction as shown on controls.
- DO make sure hoist limit switches function properly.
- DO maintain firm footing when operating hoist.
- DO make sure that load slings or other approved single attachments are properly sized and seated in the hook saddle.
- DO make sure that the hook latch, if used, is closed and not supporting any part of the load.

- DO make sure that load is free to move and will clear all obstructions.
- DO take up slack carefully, check load balance, lift a few inches, and check load holding action before continuing.
- DO avoid swinging of load or load hook.
- DO make sure that all persons stay clear of the suspended load.
- DO warn personnel of an approaching load.
- DO protect wire rope and load chain from weld spatter or other damaging contaminants.
- DO promptly report any malfunction, unusual performance, or damage of the hoist.
- DO inspect hoist regularly, replace damaged or worn parts, and keep appropriate records of maintenance.
- DO use the hoist manufacturer's recommended parts when repairing a hoist.
- DO use hook latches whenever possible.
- DO apply lubricant to the wire rope or load chain as recommended by the hoist manufacturer.
- DO NOT lift more than rated load.
- DO NOT use the hoist load limiting device to measure the load.
- DO NOT use a damaged hoist or a hoist that is not working correctly.
- DO NOT use a hoist with twisted, kinked, damaged or worn wire rope or chain.
- DO NOT lift a load unless wire rope is properly seated in its groove(s) or unless chain is properly seated in chain wheel(s) or sprocket(s).
- DO NOT use wire rope or load chain as a sling or wrap rope or chain around the load.
- DO NOT lift a load if any binding prevents equal loading on all supporting ropes or chains.
- DO NOT apply the load to the tip of the hook.
- DO NOT operate unless load is centered under hoist.
- DO NOT allow your attention to be diverted from operating the hoist.
- DO NOT operate the hoist beyond limits of wire rope or load chain travel.
- DO NOT use limit switches as routine operating stops unless recommended. They are emergency devices only.
- DO NOT use hoist to lift, support or transport people.
- DO NOT lift loads over people.
- DO NOT leave a suspended load unattended unless specific precautions have been taken.
- DO NOT allow sharp contact between two hoists or between hoist and obstructions.
- DO NOT allow the rope, chain, or hook to be used as a ground for welding.
- DO NOT allow the rope, chain, or hook to be touched by a live welding electrode.
- DO NOT remove or obscure the warnings on the hoist.
- DO NOT adjust or repair a hoist unless qualified to perform hoist maintenance.
- DO NOT attempt to lengthen the load rope or chain or repair damaged load rope or chain.

The safety laws for elevators, for lifting of people, and for dumbwaiters specify construction details that are not incorporated in CM industrial hoists. For such applications, refer to the requirements of applicable state and local codes, and the American National Safety Code for elevators, dumbwaiters, escalators, and moving walks (ANSI A17.1-1978). Columbus McKinnon Corporation cannot be responsible for applications other than those for which CM equipment is intended.

\*Copies of this Standard can be obtained from American National Standards Institute, 1430 Broadway, New York, NY 10018, U.S.A.

## Hoist Safety & Ordering Information

### Hoist Safety:

#### 1. Choose the Right Hoist for the Job

Choose a hoist with the capacity for the job. Know the capacities of your hoists and the weight of your loads.

Then match them.

The application, the size and type of load, the attachments to be used, and the period of use must also be taken into consideration in selecting the right hoist for the job.

Remember the hoist was designed to ease our burden and carelessness not only endangers the operator, but in many cases, a valuable load.

#### 2. Inspect

All hoists should be visually inspected before use, in addition to regular, periodic maintenance inspections.

Inspect hoists for operation warning notices and legibility.

Deficiencies should be noted and brought to the attention of supervisors. Be sure defective hoists are tagged and taken out of service until repairs are made.

Under no circumstances should you operate a malfunctioning hoist.

Check for gouged, twisted, distorted links, and foreign material. Do not operate hoists with twisted, kinked, or damaged chain links.

Load chain should be properly lubricated.

Hooks that are bent, worn, or whose openings are enlarged beyond normal throat opening should not be used. If latch does not engage throat opening of hook, hoist should be taken out of service.

Chains should be checked for deposits of foreign material which may be carried into the hoist mechanism.

Check brake for evidence of slippage under load.

#### 3. Use Hoist Properly

Be sure hoist is solidly held in the uppermost part of the support hook arc.

Be sure hoist and load are in a straight line. Do not pull at an angle.

Be sure load is hooked securely. Do not tip load the hook. Do not load hook latch. Hook latch is to prevent detachment of load under slack chain conditions only.

Do not operate with hoist head resting against any object. Lift the load gently. Do not jerk it.

#### 4. Practice Caution Always

Do not lift co-workers with a hoist.

Make sure everyone is clear of the load when you lift.

Do not remove or obscure operational warning notices.

#### 5. Operator Service

**CLEANING:** Hoists should be kept clean and free of dust, dirt, moisture, etc., which will in any way affect the operation or safety of the equipment.

**LUBRICATION:** Chain should be properly lubricated.

**AFTER REPAIRS:** Carefully operate the hoist before returning it to full service.



### The **ABC's** on how to choose the right hoist for your application

Hoists are tremendous aids in efficient and safe lifting and material handling operations. All CM hoists are engineered to deliver powerful, efficient and reliable operation. With proper use and maintenance, CM hoists offer excellent service. That's why selecting the proper hoist for the application is a critical decision. Here are some

key questions you should be ready to answer when you order a hoist.

Whatever the lifting need, CM has the right hoist to move the load. Your factory-trained CM representative stands ready to help you select the right CM hoist for the job.

### How to Order A Hoist

To order CM hoists, chains and hoist accessories, please call the number listed above. See charts that follow for key ordering information.

#### **A** Ordering Lever Operated Hoists

- What type of upper/lower hook - standard, special or Latchlok hook?
- What are you moving or lifting?
- Is overload indicator or protection required?
- How much does the load weigh (capacity)?
- How much lift is required (in feet)?
- Do you need a short or long handle?



#### **B** Ordering Hand Hoists

- What type of suspension (hook or trolley mount)?
- What are you moving or lifting?
- Do you know the weight?
- How much lift is required (in feet)?
- How long is the hand chain drop (in feet)?
- Any special requirements?



#### **C** Ordering Powered Hoists

- What size beam will the trolley operate on?
- What type of suspension (rigid hook, swivel hook, lug mount, plain, geared or motor driven trolley)?
- What is the headroom requirement?
- What capacity is required?
- Do you require a two-speed or single-speed electric hoist and/or trolley?
- Do you require a variable-speed air hoist?
- What length of cord is required?
- What control function is required?
- Will the hoist be used under unusual environmental conditions (weatherproofing, acid proofing, or other)?
- What trolley speed is required?
- Is a trolley break required?
- How will the hoist be powered (air, electric, cord reel, conductor bar, festoon, etc.)?
- What is your application?
- Is a chain container required?
- What lifting speed do you require?
- How long is the lift (in feet)?
- Standard or Latchlok hook?
- What voltage is required? Special electrification needs?

## Hoists

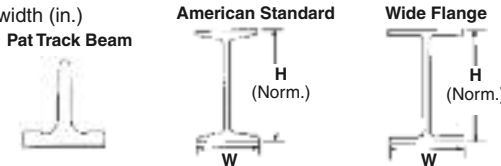
# I-Beams Specs/Hand Chain Pullers

## I-Beam Specifications

This table shows the standard sizes, flange widths, and weights for both American Standard and Wide Flange I-beams. I-beams designated with an asterisk (\*) denote New Series specifications which conform ASTM A6 standards, effective September 1, 1978.

When ordering a Hoist Trolley, be sure to include:

- Total rated load (lbs.)
- Required trolley speed (Ft./Min.)+
- Motor Voltage+
- I-beam height (in.)
- I-beam flange width (in.)
- I-beam weight per foot (lbs.)
- Trolley model number
- Hoist model number
- MT series trolleys only



American Standard			Wide Flange											
H (in)	Wt. Per Ft. (lbs)	W (in)	H (in)	Wt. Per Ft. (lbs)	W (in)	H (in)	Wt. Per Ft. (lbs)	W (in)	H (in)	Wt. Per Ft. (lbs)	W (in)	H (in)	Wt. Per Ft. (lbs)	W (in)
4	7.7	2.663	6	8.5	3.940	10	77	10.190	16*	50	7.070	16*	50	7.070
4	9.5	2.796	6*	9	4	10*	77	10.190	16*	57	7.120	16*	57	7.120
5	10	3.004	6	12	4	10*	88	10.625	16	58	8.464	16	58	8.464
5	14.75	3.284	6*	12	4	10	89	10.275	16*	67	10.235	16*	67	10.235
6	12.5	3.332	6	16	4.030	10	100	10.340	16*	77	10.295	16*	77	10.295
6	17.25	3.565	6*	16	4.030	10*	100	10.340	16*	89	10.365	16*	89	10.365
7	15.3	3.662	6*	15	5.990	10	112	10.415	16*	100	10.425	16*	100	10.425
7	20	3.860	6	15.5	5.995	10*	112	10.415	16	88	11.502	16	88	11.502
8	18.4	4.001	6	20	6.020	12	14	3.968	16	96	11.5	16	96	11.5
8	23	4.171	6*	20	6.018	12*	14	3.970	18	35	6	18	35	6
10	25.4	4.661	6	25	6.080	12*	16	3.990	18*	35	6	18*	35	6
10	35	4.944	6*	25	6.080	12	16.5	4	18	40	6.015	18	40	6.015
12	31.8	5	8	10	3.940	12	19	4.005	18*	40	6.015	18*	40	6.015
12	35	5.078	8*	10	3.940	12*	19	4.007	18*	46	6.060	18*	46	6.060
12	40.8	5.252	8	13	4	12	22	4.030	18	45	7.477	18	45	7.477
12	50	5.477	8*	13	4	12*	22	4.030	18	50	7.5	18	50	7.5
15	42.9	5.501	8	15	4.015	12*	26	6.490	18*	50	7.5	18*	50	7.5
15	50	5.640	8*	15	4.015	12	27	6.497	18	55	7.532	18	55	7.532
18	54.7	6.001	8	17	5.250	12*	30	6.520	18*	55	7.530	18*	55	7.530
18	70	6.251	8*	18	5.250	12	31	6.525	18	60	7.558	18	60	7.558
20	65.4	6.25	8	20	5.268	12*	35	6.560	18*	60	7.555	18*	60	7.555
20	75	6.385	8*	21	5.270	12	36	6.565	18*	71	7.635	18*	71	7.635
20	86	7.060	8	24	6.495	12	40	8	18	64	8.715	18	64	8.715
20	96	7.200	8*	24	6.5	12*	40	8.005	18	70	8.75	18	70	8.75
24	79.9	7.001	8	28	6.535	12	45	8.042	18	77	8.787	18	77	8.787
24	90	7.125	8*	28	6.535	12*	45	8.045	18*	76	11.035	18*	76	11.035
24	100	7.245	8	31	7.995	12	50	8.077	18*	86	11.090	18*	86	11.090
24	105.9	7.875	8*	31	7.995	12*	50	8.080	18*	97	11.145	18*	97	11.145
24	121	8.050	8	35	8.020	12	53	10	18*	106	11.200	18*	106	11.200
			8*	35	8.020	12*	53	9.995	18*	119	11.265	18*	119	11.265
			8	40	8.070	12	58	10.014	18	96	11.75	18	96	11.75
			8*	40	8.070	12*	58	10.010	21	44	6.5	21	44	6.5
			8	48	8.110	14	22	5	21*	44	6.5	21*	44	6.5
			8*	48	8.110	14*	22	5	21*	50	6.530	21*	50	6.530
			8	58	8.220	14	26	5.025	21*	57	6.555	21*	57	6.555
			8*	58	8.220	14	26	5.025	21	55	8.215	21	55	8.215
			8	67	8.280	14	30	6.730	21	62	8.240	21	62	8.240
			8*	67	8.280	14*	30	6.730	21*	62	8.240	21*	62	8.240
			10	11.5	3.950	14	34	6.75	21	68	8.270	21	68	8.270
			10*	12	3.960	14*	34	6.745	21*	68	8.270	21*	68	8.270
			10	15	4	14	38	6.770	21	73	8.295	21	73	8.295
			10*	15	4	14*	38	6.770	21*	73	8.295	21*	73	8.295
			10	17	4.010	14	43	8	21*	83	8.355	21*	83	8.355
			10*	17	4.010	14*	43	7.995	21*	93	8.420	21*	93	8.420
			10	19	4.020	14	48	8.031	21	82	8.962	21	82	8.962
			10*	19	4.020	14*	48	8.030	24	55	7.005	24	55	7.005
			10	21	5.75	14	53	8.062	24*	55	7.005	24*	55	7.005
			10*	22	5.75	14*	53	8.060	24*	62	7.040	24*	62	7.040
			10	25	5.762	14	61	10	24	68	8.961	24	68	8.961
			10*	26	5.770	14*	61	9.995	24*	68	8.965	24*	68	8.965
			10	29	5.799	14	68	10.035	24	76	8.965	24	76	8.965
			10*	30	5.810	14	68	10.035	24*	76	8.990	24*	76	8.990
			10	33	7.960	14	74	10.072	24	84	9.015	24	84	9.015
			10*	33	7.960	14*	74	10.070	24*	84	9.020	24*	84	9.020
			10	39	7.985	14	78	12	24	94	9.065	24	94	9.065
			10*	39	7.985	14	87	14.500	24*	94	9.065	24*	94	9.065
			10	45	8.020	14*	82	10.130						
			10*	45	8.020	16	26	5.5						
			10	49	10	16	31	5.525						
			10*	49	10	16*	31	5.525						
			10	54	10.030	16	36	6.992						
			10*	54	10.030	16*	36	6.985						
			10	60	10.080	16	40	7						
			10*	60	10.080	16*	40	6.995						
			10	66	10.117	16	45	7.039						
			10*	66	10.130	16*	45	7.035						
			10	72	10.170	16	50	7.073						

## CM Short Handle Puller

- Easy one-hand operation.
- Lever pull range is 45 to 62 pounds to lift full load.
- Handle that rotates 360°, making it easy to operate in any position and in small spaces.
- Tough yet lightweight aluminum construction and powder coat finish.
- CM® Hoistaloy® hardened steel load chain for strength, long wear life and flexibility.
- Free chaining for fast, easy attachment to load.
- Forged upper and lower hooks with latches.
- Simple construction with fewer parts for ease of maintenance.
- Optional Load Limiter® device protects against overload
- Lifetime warranty
- Made in U.S.A.



3/4 ton Puller Shown  
Also available in 1-1/2 & 3 ton capacity

Rated Capacity* (tons)	Product Code	Std. Lift (ft)	Reeving	Pull to Lift Full Load (lbs)	Lever Length (in.)	Hook Throat Opening (in)	Min. Distance Between Hooks (in)	Approx. Shipping Wt. (lbs)
3/4	7300P	5	1	45	12	1-1/32	12-1/4	16
1-1/2	7320P	5	1	55	16-3/4	1-1/8	14-3/4	27
3	7330P	5	2	62	16-3/4	1-3/16	17-5/8	40

\* Do not exceed Working Load Limits

Optional kits also available - Load Limiter, Anchor Sling & Latchlok® Hook. Call Hanes Supply for complete details.

## CM Puller

CM Puller is designed for heavy-duty construction and industrial applications. Used to pull, lift, drag, or stretch, it features:

- Simple construction with fewer parts for ease of maintenance.
- Tough aluminum alloy construction & powder coat finish.
- Weatherproof for outdoor service.
- Hoistaloy hardened steel link type load chain for strength, long wear life and flexibility.
- Weatherized Weston-type automatic braking system for positive load control.
- Easy, one-hand operation and control—only 58 lbs of pull required for 3/4 ton model capacity.
- Forged upper and lower hooks with latches standard.
- Free wheeling for fast and easy attachment to load.
- Optional Load Limiter protection device stops transmission of lever forces protecting against dangerous overload.
- Optional Load Sentry warns of overload condition.
- Optional zinc-plated chain available.
- Unlimited lift.
- Optional shorter lever for 3/4 & 1-1/2 ton units available.
- Upper & lower Latchlok hooks available for all capacities.
- Lifetime warranty.
- Optional anchor sling simplifies attachment that allows anchor hook to swivel in tight space applications (3/4 & 1-1/2 ton units only).
- Made in U.S.A.



Latchlok type hook



Optional anchor sling (3/4 & 1-1/2 ton)



Optional Load Limiter

Product Code	Load Rating	Lift/Reach (ft)	Lever Pull to Lift Rated Load	Approx Ship Wt.
5310	3/4 tons	5	33 lbs	15.0 lbs
5311	3/4 tons	10	33 lbs	15.8 lbs
5312	3/4 tons	15	33 lbs	16.6 lbs
5313	3/4 tons	20	33 lbs	17.3 lbs
5328	1 ton	5	44 lbs	15.0 lbs
5315	1-1/2 tons	5	51 lbs	27.0 lbs
5316	1-1/2 tons	10	51 lbs	31.4 lbs
5317	1-1/2 tons	15	51 lbs	35.8 lbs
5318	1-1/2 tons	20	51 lbs	40.2 lbs
5329	2 tons	5	68 lbs	27.0 lbs
5320	3 tons	5	77 lbs	45.0 lbs
5321	3 tons	10	77 lbs	52.3 lbs

† Can be supplied with lifts longer than 5 feet \*Do not exceed rated capacity.



## Hand Chain Pullers

### CM 653 Series

The Series 653 lever operated hoist is a high quality, rugged, steel tool for close quarter pulling, stretching, and hoisting applications.

Its characteristic short handle, along with minimal lever pull effort, make this tool ideal for a broad range of applications.

- Capacities from 3/4 to 6 tons.
- Impact resistant, stamped steel frame, gear case, and cover for durability and light weight.
- Powder coated finish for added corrosion protection.
- Hardened steel load sharing gears.
- Double pawl arrangement for assured load control.
- Two chain guide rollers for positive chain engagement.

Rated Capacity* (tons)	Product Code	Std. Lift† (ft)	Pull to Lift Full Loads (lbs)	Min. Distance Between Hooks (in)	Lever Length (in)	Reeving	Hook Throat Openings (in)	Approx. Shipping Wt. (lbs)
3/4	4043	5	58	10-3/4	21-1/4	1	1-1/32	16
1-1/2	4045	5	89	14-1/4	21-1/4	1	1-1/8	16
3	4047	5	95	16-15/16	21-1/4	2	1-7/32	38
6	4050	5	96	21-3/8	21-1/4	4	1-3/4	73

- Weston type braking system for positive load control and positioning.
- Simple one-handed, free chaining for fast load attachment.
- Hardened steel chain for strength and long wear life.
- Forged upper and lower hooks with heavy cast steel latches.
- Rubber handle grip for added operator comfort.
- Minimal maintenance with no special tools required.
- 5-year warranty against defects in materials and workmanship.
- Metric rated.
- Meets ASME B30.21 – Manually Lever Operated Hoist Standard and European CE Standard.
- Designed and manufactured by Columbus McKinnon Corporation.



### CM Series 602/603 Mini Ratchet Lever Hoist

CM Series 603 & 602 Mini-Hoists are the most compact ratchet lever hoists in the market:

- Plated load chain is standard.
- Weston-type load brake.
- Rubber hand grip for better comfort and security.

Capacity		Model No.	Number of Chainfalls	Handle Length (in)	Minimum Distance Between Hooks (in)	Lift w/ One Full Lever Turn (in)	Handle Pull @ WLL (lbs)	Standard Lift (lbs)
(lbs)	(Kg)							
550	250	602	1	6.300	9.45	3.15	56	5.0
1100	500	603	1	6.375	11.125	1.57	78	5.0

- Lightweight design for ease of portability. Use in confined conditions with one-hand operation.
- Forged upper and lower hooks with latches standard.
- Impact resistant, all-steel frame, gear case and cover.
- Hardened link-type alloy steel load chain for strength and long wear.
- Free wheeling feature serves to quickly attach the load.
- Metric rated.
- Made in U.S.A.



### Coffing G Series Ratchet Lever Hoists

Coffing G Series Model - Malleable iron roller chain ratchet lever hoists are efficient and durable. Roller chain can be spliced to create longer lifts and can handle higher capacities than coil chain. G Series hoists are ideal for utility transmission and distribution work.

Capacity		Model No.	Standard Lift (in)	Strands of Load Chain	Min Distance Between Hooks	Handle Length (in)	Minimum Increment (in)	Ave Handle Effort (lbs)	Net Weight (lbs)
lbs	tons								
1500	3/4	AG/AGI	56-1/2	1	13	18-3/4	.624/.313	56	14
3000	1-1/2	ATG/ATGI	57	2	15	18-3/4	.313/.156	60	17
3000	1-1/2	FG/FGI	56-1/2	1	16	27-5/8	1.000/.500	116	25
6000	3	FTG/FTGI	57	2	17-5/8	27-5/8	.500/.250	120	34
9000	4-1/2	ZG-4-1/2	53	3	25	33-5/8	.333	124	49
12000	6	ZG-6	53	4	25	33-5/8	.250	124	59
18000	9	WG-9	60	5	30	33-5/8	.200	124	120
22000	11	WG-11	60	6	30	33-5/8	.167	124	130
26000	13	WG-13	60	7	30	33-5/8	.143	124	140
30000	15	WG-15	60	8	30	33-5/8	.125	124	150

- Capacities & Lift - Rated loads from 3/4 to 15 Tons. For standard lift, see chart. Other lifts available.
- Rugged - Unit and handle made from malleable iron. Riveted construction makes the unit tamper-resistant.
- Free Chaining - Free chaining mechanism allows quick and easy take-up and positioning of slack chain. Hoist will not free chain when under load.
- Handle Stops - Prevent handle from spinning if it is accidentally released by the operator.
- Single or Double Locking Pawl Design.
- Multiple Rigging Positions - Hoist can lift, pull, or bind. Can be operated from either side and will work in any position with equal efficiency.
- Snap Hook & Link - Allows operator to convert unit to next smaller capacity giving longer lift and faster operation. Snap hook acts as an end stop and will not pass through chain sprocket.
- Options - Bullard hooks, bronze hooks, and zinc-plated hooks - consult factory.
- Lifetime Warranty.



## Hoists

# Hand Chain Pullers

## Coffing LSB-B Ratchet Lever Hoist – Stamped Steel – Versatile Performer

Coffing LSB-B Models are available with optional Load Limiters. Also featuring through-hardened load chain, these stamped steel ratchet lever hoists are lightweight, durable, and are ideal for construction and commercial applications. All LSB-B hoists are metric rated.

Capacity		Model Number	Lift (ft.)*	Strands of Load Chain	Minimum Dist. Between Hooks (in.)	Handle Length (in.)	Average Handle Effort (lb.)	Net Weight (lb.)
(lb.)	(Ton)							
1500	3/4	LSB-1500B-5	5	1	11 5/8	9 1/4	46	12
1500	3/4	LSB-1500B-10	10	1	11 5/8	9 1/4	46	14
1500	3/4	LSB-1500B-15	15	1	11 5/8	9 1/4	46	16
1500	3/4	LSB-1500B-20	20	1	11 5/8	9 1/4	46	18
3000	1 1/2	LSB-3000B-5	5	1	13	14 9/16	59	21
3000	1 1/2	LSB-3000B-10	10	1	13	14 9/16	59	24
3000	1 1/2	LSB-3000B-15	15	1	13	14 9/16	59	27
3000	1 1/2	LSB-3000B-20	20	1	13	14 9/16	59	30
6000	3	LSB-6000B-5	5	1	16 5/16	14 9/16	75	35
6000	3	LSB-6000B-10	10	1	16 5/16	14 9/16	75	40
6000	3	LSB-6000B-15	15	1	16 5/16	14 9/16	75	45
6000	3	LSB-6000B-20	20	1	16 5/16	14 9/16	75	50
12000	6	LSB-12000B-5	5	2	22 3/4	14 9/16	76	67
12000	6	LSB-12000B-10	10	2	22 3/4	14 9/16	76	77
12000	6	LSB-12000B-15	15	2	22 3/4	14 9/16	76	88
12000	6	LSB-12000B-20	20	2	22 3/4	14 9/16	76	99

- Capacities & Lift - Rated loads of 3/4, 1-1/2, 3, and 6 tons, with 5, 10, 15, and 20 foot standard lifts. Other lifts available.
- Rugged & Lightweight - Impact resistant, stamped steel housing withstands rigorous use. Compact design is portable and easy to rig.
- Low Handle Effort - Double reduction gearing and short, cushioned-grip handle provide easy operation with minimal handle effort.
- 360° Rotating Handle - Provides versatile rigging options when used in confined spaces.
- Easy Free Chaining - State-of-the-art free wheeling mechanism allows quick and easy one-handed take-up and positioning of slack chain.
- Positive Load Control - Enclosed screw-and-disc type load brake stays clean and dry for positive load positioning. Latches on hooks provide positive load engagement.
- Options- Shipyard hook available for 1-1/2 ton & 3 ton models.
- Lifetime Warranty.

\*Standard lifts shown. Other lifts available - Consult factory.  
Note: For complete dimensional data, refer to Coffing Dimensional Databook.



## Harrington LX Lever Puller

### 1/4 and 1/2 Ton Capacities

Harrington's LX lever pullers are ultra lightweight and compact yet extremely durable. Known as the perfect "toolbox hoists," these little hoists have all the power you need to get the job done. Revolutionary 1/2 Ton model is the only 1/2 Ton "toolbox" sized puller in the industry.

Capacity (tons)	Product Code	Headroom (in)	Standard Lift (ft)	Pull to Lift Load (lbs)	Load Chain Dia (mm) x Chain Fall Lines (in)	Net Weight (lbs)	Ship Weight (lbs)	Weight for Add 1 ft of Lift (lbs)
1/4	LX003	8.1	5	40	3.2 x 1	3.5	4.0	0.15
1/2	LX005	9.7	5	62	4.3 x 1	5.7	6.2	0.25

- Capacities 1/4 Ton and 1/2 Ton
- Compact, low headroom design makes it a perfect tool for use in tight quarters
- Low pulling force required for ease of use
- Effortless to transport, install & store
- Free-chain mechanism for quick adjustments
- Rugged die-cast aluminum body with steel frame



## Harrington LB Lever Hoists

Harrington's LB Series of lever hoists offers a low headroom, compact design that is perfect for use in tight quarters. Regarded as the best lever hoist in the industry, our LB is recommended for use in heavy-duty construction work, mining, manufacturing, shipbuilding, and day-to-day maintenance and repair.

- 5-foot lift is standard, 10-, 15-and 20-foot lifts also stocked; nonstandard lifts available as well.
- Grade 100 heat-treated load chain is nickel plated for corrosion resistance.

Harrington LB Level Hoists 3/4, 1, 1-1/2, 2-3/4, 3, 6, and 9 Ton Capacities								
Cap. (Tons)	Product Code	Headroom C (in)	Std. Lift (ft)	Pull to Lift Loads (lbs)	Load Chain Diameter (mm) x Chain Fall Lines	Net Weight (lbs.)	Shipping Weight Approx. (lbs)	Weight for Additional One Foot of Lift (lbs)
3/4	LB008	11.0	5	54 (36)	5.6 X 1	13	13	0.5
1	LB010	11.8	5	72 (46)	5.6 X 1	13	14	0.5
1 1/2	LB015	13.2	5	64 (45)	7.1 X 1	18	18	0.7
2	LB020	14.8	5	59 (42)	8.8 X 1	25	26	1.1
2 3/4	LB028	14.8	5	81 (57)	8.8 X 1	25	26	1.1
3	LB030	15.6	5	69	10.0 X 1	33	35	1.5
6	LB060	21.3	5	72	10.0 X 2	57	60	3.2
9	LB090	26.8	5	78	10.0 X 3	88	93	4.7

- Forged and heat-treated alloy steel hooks open slowly without fracturing under excessive loads. Top and bottom hooks rotate 360.°
- Test certificate verifies that every hoist has been factory load tested to 125% of rated capacity, in accordance with ASME B30.21 requirements.



## Hand Chain Pullers

### CM Oil Field Puller

The **CM Oil Field Puller** can be used to pull, lift, drag, or stretch. The rugged design is used in heavy-duty construction, industrial applications, or any tough outdoor service. The heavy duty jaw shackles make attaching large or multiple slings very simple and easy.

- Capacities of 3/4 & 1-1/2 ton.
- Tough aluminum alloy construction & powder coat finish.
- Simple construction with fewer parts for ease of maintenance and lower inventories.
- Hoistaloy hardened steel link type load chain for strength, long wear life and flexibility.
- Weatherized weston-type automatic braking system for positive load control.
- Easy, one-hand operation and control — only 58 lbs of pull required for 3/4 ton model capacity.
- Free wheeling for fast and easy attachment to load.
- Optional zinc-plated chain available.
- Lifetime warranty.
- Metric rated.
- Made in U.S.A.



Rated Capacity (tons)	Product Code	Standard Lift (ft)	Lift Full Loads (lbs)	Minimum Distance Between Hooks (in)	Lever Length (in)	Reeving	Shackle Opening (in)	Approx Ship Weight (lbs)
3/4	4053	5	58	10-3/4	21-1/4	1	1.13	16
1-1/2	4055	5	89	14-1/4	21-1/4	1	1.25	26

### Coffing A & AD Ratchet Lever Load Binders Incremental Take-Up for Proper Tensioning

**Coffing A and AD Models** - Roller chain load binders provide quality and durability. Unlike over-center binders, the ratchet and pawl design protects the operator by providing incremental take-up for proper tensioning and securing of the load.

- Capacities & Lift - Rated loads from 3/4 to 1-1/2 Tons. For standard lift, see chart.
- Convertible - Double-chain model converts to single-chain.
- Lifetime Warranty.



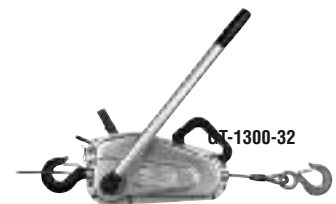
Load Working (lbs)	Limit Proof (lbs)	Ultimate Strength (lbs)	Model	Std. Take-Up (in)	Strands of Load Chain	Min. Dist. Betw. Hooks (in)	Handle Length (in)	Take-Up Increment (in)	Net Wt. (lbs)
1,500	3,000	7,500	A	19-1/2	1	15-1/2	19-1/4	5/8	11-1/2
3,000	6,000	15,000	AD	20	2	16-3/4	19-1/4	5/16	14-1/2

NOTE: A and AD models feature 3/8" roller chain and grab hooks with 1/2" throat opening. Please call for complete dimensional data.

### Coffing GT Model Wire Rope Lever Tool

The **Coffing GT Models** - Designed for heavy-duty pulling, rigging, dragging, stretching, and lifting applications. Its versatility and ability makes it perfect for use in the construction and transportation industries, as well as hundreds of other industrial applications. Coffing GT models are lightweight, compact, and built tough for long life and trouble-free service.

- Capacities - Rated loads from 1 to 3 Tons. 32' of wire rope on 1 and 3 Ton models, 6' of wire rope on 2 Ton models.
- Smooth Operation - Large surface area of dual clamping jaws provide an evenly distributed grip for smooth operation and low wear.
- Lifetime warranty.



Rated Cap. (tons)	Model No.	Product Code	Standard Wire Rope Length (ft)	Wire Rope Dia (in)	Lever Length Extended (in)	Lever Length Retracted (in)	* Rope Advance (in)	Overall Dimensions (in)
1	GT-1300-32	0013	32	5/16	29.1	21.3	1.30	19.7 x 9.1 x 4.0
2	GT-2000-65	0020	65	7/16	29.1	21.3	1.45	24.8 x 13.0 x 5.9
3	GT-3500-32	0035	32	5/8	29.1	21.3	0.78	28.6 x 12.8 x 7.0

\* Per full stroke at rated load.

## Hoists

# Hand Chain Hoists

## CM Cyclone Hand Chain Hoist

One of the most popular and reliable hoists ever designed, the CM Cyclone combines superior engineering, efficiency, and durability. Available in a variety of capacities from 1/4 ton to 10 tons, CM Cyclone features:

- Most interchangeability of parts in the industry.
- Standard Load Limiter for simple, automatic overload protection.
- Enclosed contoured Weston-type automatic brake for positive load control.
- High-efficiency spur gearing for greater lift with minimum effort.
- Rugged CM Hoistaloy chain for added strength and durability.

Rated Cap.* (tons)	Product Code	Std. Lift † (ft)	Reeving	Min. distance between hooks (in)	Chain overhauled to lift load one foot (ft)	Chain pull to lift full load (lbs)	Shipping Wt. (lbs)
1/4	4621	8	1	12-7/8	22-1/2	23	37
1/2	4622	8	1	12-7/8	22-1/2	46	37
1	4624	8	1	14	30	69	40
1-1/2	4625	8	1	17-5/16	40-1/2	80	65
2	4626	8	1	17-5/16	52	83	64
3	4627	8	2	21-1/2	81	85	96
4	4628	8	2	21-1/2	104	88	96
5	4629	8	3	24-1/4	156	75	128
6	4630	8	3	25-1/4	156	90	132
8	4631	8	4	34-1/2	208	89	235
10	4632	8	5	35-1/2	260	95	249

† Can be supplied with longer lifts—contact us with your exact needs.

- Fully machined, forged liftwheel pockets for easier lifting and smooth free chaining.
- High-strength aluminum alloy castings in frame and covers.
- Inspected over 75 times to meet or exceed HMI and ASME/ANSI performance and safety standards.
- Standard hand chain drop is 2 feet less than lift, (example: 8 foot lift hoist has 6 foot hand chain drop.)
- Lifetime warranty
- Made in U.S.A.



3 and 4 ton capacity



5 & 6 ton capacity



8 ton capacity



10 ton capacity



1/4 to 2 ton capacity

## CM Series 622 Hand Chain Hoist

- CM Series 622 has a simple, efficient, economical design.
- Equipped with hardened load chain for flexibility and long wear.
- Compact design, low headroom, and lightweight for easy installation, even in confined spaces.
- Weston-type load brake requires no lubrication.
- Hans wheel cover with guide slots minimizes jamming and slipping.
- Forged swivel hooks with latches reduce twisting of chain and unintentional unhooking of load when chain is slack.
- Standard hand chain drop is 2 feet less than lift (example: 8 foot lift hoist has 6 foot hand chain drop).
- One-year warranty.
- Imported.

### ⚠ WARNING

Overloading and improper use can result in injury. To avoid injury:

- Do not exceed working load limit, load rating, or capacity.
- Do not use to lift people or loads over people.
- Use only alloy chain and attachments for overhead lifting.
- Read and follow all instructions.

Product code	Rated Cap.* (tons)	Std. lift (ft)	Chain Pull to Lift Rated Load (lbs)	Hand chain Overhauled to Lift Load One Foot (ft)	Approx. Shipping Wt. (lbs)
2255	1/2	10	53	29	18
2208	1/2	15	53	29	25
2231	1/2	20	53	29	30
2263	1/2	30	53	29	38
2256	1	10	77	37	26
2204	1	15	77	37	30
2262	1	20	77	37	38
2264	1	30	77	37	48
2258	2	10	82	80	61
2213	2	15	82	80	71
2233	2	20	82	80	80
2272	2	30	85	80	85
2259	3	10	65	154	89
2223	3	15	65	154	99
2214	3	20	65	154	109
2260	5	10	105	147	91
2257	5	15	105	147	107
2234	5	20	105	147	123
2277	5	20	105	289	170



## CM Cyclone Army Type Trolley Hoist

Same quality and performance as the CM Cyclone in a compact, low headroom integral trolley mount. Ideal for applications requiring a moveable hoist including:

- Rugged steel loadbars connected directly to hoist frame.
- Reduced headroom, side clearances, and end approach for easy maneuvering of heavy loads in tight places.
- Standard Load Limiter automatic overload protection.
- Plain and geared trolley mounts in capacities from 1/4 to 12 tons.
- Universal tread trolley wheels for operation on sloped or flat flanged beams.

- Standard hand chain drop 2 feet less than lift (example: 8 foot lift hoist has 6 foot hand chain drop.)
- Chain containers, zinc-plated load and hand chain, aluminum unwelded hand chain, Latchlok hooks, bronze hooks, bullard hooks, larger beam trolleys, trolley guards, and units without Load Limiter optional, depending on capacity.
- Lifetime warranty.
- Made in U.S.A.

Rated Cap.* (tons)	Product Code		Std. Lift (ft)	Reeving	American Standard Depth (in) †	Beam Adjustment Ranges Flange Width (in) †	Chain Pull to Lift Capacity Loads (lbs)	Chain Overhauled to Lift Load One Foot (ft)	Min. Headroom (in)	Min. Radius Curve (in)	Shipping Wt. (lbs)	
	Plain Trolley	Geared Trolley									Plain Trolley	Geared Trolley
1/4	4521	4541	8	1	4-12**	2-5/8 - 5-1/2	23	22-1/2	11-3/4	30	66	108
1/2	4522	4542	8	1	4-12**	2-5/8 - 5-1/2	46	22-1/2	11-3/4	30	66	108
1	4524	4544	8	1	4-12**	2-5/8 - 5-1/2	69	30	11-3/4	30	78	130
1-1/2	4525	4545	8	1	6-15	3-3/8 - 5-5/8	80	40-1/2	15-5/16	30	136	164
2	4526	4546	8	1	6-15	3-3/8 - 5-5/8	83	52	15-5/16	30	136	164
3	4527	4547	8	2	7-15	3-3/8 - 5-5/8	85	81	8-7/8	48	182	230
4	4528	4548	8	2	7-15	3-3/8 - 5-5/8	87	104	18-7/8	48	182	230
5	4529	4549	8	3	8-18	4 - 6-1/4	74	156	23-1/2	60	268	300
6	4530	4550	8	3	8-18	4 - 6-1/4	89	156	24	60	273	305
8	4531	4551	8	4	12-24	5 - 8	91	208	28-1/4	72	506	589
10	4532	4552	8	5	12-24	5 - 8	93	260	28-1/4	72	513	596
12	4533	4553	8	6	15-24	5-1/2 - 8	95	312	30-3/8	96	1,050	1,130

\*\*For 1/4 through 1 ton geared trolleys - minimum beam size S6 x 12.5 (3-3/8 flange width)

† Universal tread track wheels designed to operate on either sloped or flat flange beam, rails or tracks





## Hand Chain Hoists

### CM Cyclone Low Headroom Trolley Hoist

CM Cyclone and trolley all in one unit for low headroom applications features:

- Crowned tread and flanged wheels to minimize rolling friction.
- Simple, efficient design.
- Reduced headroom, side clearances, and end approach for easy maneuvering of loads in tight places.
- Plain trolley mounts in capacities from 1/2 to 6 tons.
- Geared trolley mounts in capacities from 1-1/2 to 6 tons.
- Standard hand chain drop 2 feet less than lift (example: 8 foot lift hoist has 6 foot hand chain drop).

- Chain containers, zinc-plated load and hand chain, aluminum unwelded hand chain, Latchlok hooks, bronze hooks, bullard hooks, larger beam trolleys, trolley guards, and units without Load Limiter optional, depending on capacity.
- Standard Load Limiter/automatic overload protection.
- Lifetime warranty.
- Made in U.S.A.

**Geared Trolley**

**Plain Trolley**

Rated Cap.* (tons)	Product Code		Std. Lift (ft)	Reeving	American Standard Depth (in) ††	Beam Adjustment Ranges Flange Width (in)	Chain Pull to Lift Full Loads (lbs)	Chain Overhauled to Lift Load One Foot (ft)	Min. Headroom (in)	Min. Radius Curve (in)	Shipping Wt. (lbs)	
	Plain Trolley	Geared Trolley									Plain Trolley	Geared Trolley
1/2	4832	—	8	1	6-12**†	3-3/8 – 5	46	22-1/2	8-7/8	36	88	—
1	4834	—	8	1	6-12**†	3-3/8 – 5	69	30	9-1/4	36	93	—
1-1/2	4835	4925	8	1	7-15**†	3-5/8 – 5-1/2	80	40-1/2	12-1/4	48	186	210
2	4836	4926	8	1	7-15**†	3-5/8 – 5-1/2	83	52	12-1/2	48	186	216
3	4837	4927	8	2	7-15†	3-5/8 – 5-1/2	85	81	14-1/8	48	203	233
4	4838	4928	8	2	8-24†	4 – 7	88	104	16-3/4	96	308	372
5	4839	4929	8	3	8-24†	4 – 7	75	156	18-1/4	96	328	370
6	4840	4930	8	3	8-24†	4 – 7	90	156	18-3/4	96	333	375

\*\*1/2 and 1 ton also available for 4" and 5" S-beam, and 1-1/2 and 2 ton for 6" S-beam without extra charge.

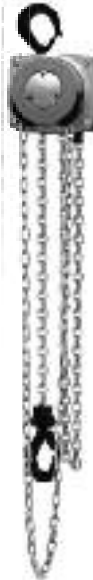
† Universal tread trackwheels designed to operate on either sloped or flat flange beams, rails, or tracks. Also can be used on flat flange beams within the same range of flange widths, provided beam depth will accommodate wheel diameter (check clearance diagram).

†† Applies to minimum size S-beam within adjustability range.

### CM Hurricane 360° Hand Chain Hoist

CM Hurricane unleashes a full circle of flexibility for lifting and pulling.

- Standard Load Limiter - For simple, automatic overload protection.
- Braking Power - Weston style braking system provides reliable positive load control.
- Powder Coated Finish - For corrosion protection.
- Heat Treated Steel Gearing - All internal gears and pinions are heat treated steel for high strength and long life.
- Chain Guide and Stripper - Assures load chain alignment.
- Precision 4-Pocket Liftwheel - Fully machined for better chain fit and reduced wear allowing for accurate movement of the load chain.
- Hardened Steel Chain - Alloy steel load chain assures high strength and long wear life.
- Minimal Maintenance - Easily disassembled, requiring no special tools.
- Meets ASME B30.16 - And European CE Standard
- 5-Year Warranty - Against defects in materials and workmanship.



Product Code	Rated Capacity (tons)	Standard Lift (ft)	Net Weight (lbs)	Hand Chain Pull to Lift Rated Load	Hand Chain Overhaul to Lift Rated Load
5623A	1/2	10	23	44 lbs	30 lbs
5624A	1/2	15	28	44 lbs	30 lbs
5625A	1/2	20	33	44 lbs	30 lbs
5651A	1/2	30	43	44 lbs	30 lbs
5626A	1	10	26	54 lbs	49 lbs
5627A	1	15	33	54 lbs	49 lbs
5628A	1	20	41	54 lbs	49 lbs
5653A	1	30	58	54 lbs	49 lbs
5629A	2	10	45	74 lbs	71 lbs
5630A	2	15	48	74 lbs	71 lbs
5631A	2	20	51	74 lbs	71 lbs
5635A	3	10	68	92 lbs	87 lbs
5636A	3	15	79	92 lbs	87 lbs
5637A	3	20	90	92 lbs	87 lbs
5639A	5	10	122	76 lbs	174 lbs
5640A	5	15	142	76 lbs	174 lbs
5641A	5	20	162	76 lbs	174 lbs
5643A	10	10	210	102 lbs	261 lbs
5644A	10	15	240	102 lbs	261 lbs
5645A	10	20	270	102 lbs	261 lbs

### Harrington CX Mini Hand Chain Hoists

#### 1/4 Hand Chain Hoist

Harrington's CX mini hand chain hoist is the world's smallest industrial hoist. This uniquely compact and lightweight hoist is the perfect choice for jobs with light loads in high or difficult to reach places such as duct installation, plumbing and heating, home automobile maintenance, and crane repair.

- Unique design is extremely compact and lightweight.
- Aluminum body with steel frame provides superior strength.
- Load limiter prevents the hoist from being used to lift damaging loads beyond rated capacity.
- Very low force is required to lift load.
- Effortless to transport, install and store.
- Grade 100, nickel-plated load chain is corrosion and wear resistant.



- Durable stainless steel hand chain.
- Strong hook latches include safety tip.
- Available in 10-foot or 20-foot lifts.
- Sold individually or in convenient 4-packs.
- Test certificate verifies that every hoist has been factory load tested to 125% of rated capacity in accordance with ASME B30.16 requirements.

Cap. (tons)	Prod. Code	Head-room (in)	Std. Lift (lbs)	Pull to Lift Load Ratio	Over-haul Fall Lines	Load Chain Dia. (mm) x Chain Fall Lines	Net Wt. (lbs)	Ship Wt. Approx. (lbs)	Wt. for Add'l One Foot of Lift (lbs)
1/4	CX003	8.5	10	33	34	3.2 x 1	5.6	6.1	0.3
1/4	CX003	8.5	20	33	34	3.2 x 1	9.5	10.0	0.3

Weights are approximant.

## Hoists

# Hand Chain Hoists/Manual Trolleys

## Harrington CB Hand Chain Hoists

### 1/2 Hand Chain Hoist

Harrington CB hand chain hoists combine a rugged exterior shell with machined interior components to handle your most demanding lifting operations. An efficient drive train minimizes manual effort, while double enclosed brake cover, standard slip clutch, and double pawl springs enhance performance and reliability.

- Experience exceptional durability thanks to all-steel construction featuring rugged gear case enclosure and handwheel cover.
- Enjoy increased lifting height thanks to low headroom.
- Compact design results in light-weight and easy portability.
- Minimize manual effort thanks to efficient drive train.
- Standard slip clutch device prevents the hoist from being used to lift damaging loads beyond rated capacity.
- Double pawl springs provide redundancy for reliable operation of brake mechanism.
- Get reliable braking with double enclosed brake cover that keeps out dust, rain, and dirt.



Cap. (tons)	Prod. Code	Head-room (in)	Std. Lift (lbs)	Pull to Lift Load Ratio	Over-haul Fall Lines	Load Chain Dia. (mm) x Chain Fall Lines	Net Wt. (lbs)	Ship Wt. Approx. (lbs)	Wt. for Add'l One Foot of Lift (lbs)
1/2	CB005	11.2	8	48	25	5.0 x 1	22	23	1.0
1	CB010	11.6	8	58	43	6.3 x 1	25	26	1.2
1-1/2	CB015	13.8	8	70	57	7.1 x 1	32	33	1.4
2	CB020	14.8	8	72	70	8.0 x 1	41	43	1.6
2-1/2	CB025	16.5	8	66	99	9.0 x 1	56	58	1.8
3	CB030	20.1	8	72	114	7.1 x 2	49	53	2.1
5	CB050	23.6	8	68	198	9.0 x 2	85	89	3.0
8	CB080	30.3	8	75	297	9.0 x 3	124	131	4.2
10	CB100	29.9	12	72	396	9.0 x 4	186	203	5.5
15	CB150	40.2	12	74	594	9.0 x 6	346	368	7.9
20	CB200	46.5	12	72 x 2	396 x 2	9.0 x 8	524	678	10.9
30	CB300	51.2	12	86 x 2	495 x 2	9.0 x 10	690	889	13.3
40	CB400	58.3	12	86 x 2	693 x 2	9.0 x 14	1068	1398	18.2
50	CB500	61.4	12	98 x 2	792 x 2	9.0 x 16	1422	1752	20.6
80	CB800	100.8	12	86 x 4	693 x 4	9.0 x 28	3392	-	36.3
100	CB1000	125.2	12	98 x 4	792 x 4	9.0 x 32	6525	-	41.2

Note: Special lengths of load and hand chain available upon request. Weights are approximant.

## Coffing LHH Hand Chain Hoists

Coffing LHH Models - Stamped steel hand chain hoists are an excellent low cost option in the Coffing line. The compact, lightweight design is ideal for construction and contractor applications where portability and easy rigging are critical.

Capacity		Model †	Lifts (ft)**	Strands of Load Chain	Min. Head-room (in)	Ave. Overhaul for 1 Ft. Lift (ft)	Net Pull to Lift Rated Load (lbs)	Wt. for 10 Ft. Lift (lbs)
(lbs)	(tons)							
1,000	1/2	LHH-1/2	10/15/20	1	10-1/4	32	55	19
2,000	1	LHH-1	10/15/20	1	11-13/16	56	53	25
3,000	1-1/2	LHH-1-1/2	10/15/20	1	13-9/16	75	65	36
4,000	2	LHH-2	10/15/20	1	15	75	74	45
6,000	3	LHH-3	10/15/20	1	17-1/8	95	84	66
10,000	5	LHH-5	10/15/20	3	22-5/8	203	79	75
16,000	8	LHH-8	10/20	3	32-1/2	312.5	77	158
20,000	10	LHH-10	10/20	3	32-1/2	312.5	95	158
24,000	12	LHH-12	10/20	5	50-5/8	526	84	328
30,000	15	LHH-15	10/20	5	50-5/8	526	103	328
40,000	20	LHH-20	10/20	6	52-3/8	312.5 x 2 †	99 x 2 †	535
50,000	25*	LHH-25	10	8	52-3/8	416.7 x 2 †	97 x 2 †	680
60,000	30*	LHH-30	10	10	65	526.3 x 2 †	104 x 2 †	945
80,000	40*	LHH-40	10	14	73-5/16	714.3 x 2 †	101 x 2 †	1,400
100,000	50*	LHH-50	10	20	77-5/8	1000 x 2 †	104 x 2 †	1,840

\*25, 30, 40, and 50 Ton models available by special order - call for more details.

\*\* Standard lifts shown. Other lifts available - call for more details.

† LHH-20 through LHH-50 models have two hand chains.

NOTE: Please call for complete dimensional data.

- Capacities & Lift - Rated loads from 1/2 to 20 Tons in stock with standard lifts of 10, 15, and 20 feet. Standard hand chain drop is 2-feet less than lift. Other lifts, hand chain drops, and 25 - 50 Ton models available - Please call for details.
- Compact & Light Weight - Designed for portability and easy installation. Compact gear housing provides low headroom.
- Easy to Operate - Lubricated bearings and bushings, bearing mounted pinions, and heat-treated spur gearing ensure smooth and efficient operation with minimal effort.
- Safety & Load Control - Mechanical load brake engages instantly for precise load holding and positioning. 360-degree swivel hooks with safety latches for positive load engagement.
- Durable - Through hardened load chain provides added strength and wear resistance for greater chain life. Stamped steel housing withstands rugged conditions.
- Easy to Maintain - Designed for easy inspection and maintenance. Hoist can be dismantled easily with simple hand tools.
- Lifetime Warranty.



1/2 - 50 Ton

## Coffing CTA Trolley

Coffing CTA Model - Available in plain and geared models which can be modified to fit a wide range of beam sizes and styles. The CTA is designed to provide easy operation and superior performance in industrial lifting applications.

- Capacities - Rated loads from 1/4 to 5 Tons in plain and geared models. Geared trolleys have standard 6-foot hand chain drop. Other hand chain drops available.
- Rugged - Designed to provide superior performance and long, efficient service.

Capacity		Model No.*	Std. Beam Ht. (in)	I-Beam Width (in)	Min. Radius Curve (in)	Net Wt. (lbs)	
Lbs.	Tons					Plain (P)	Geared (G)
500	1/4	CTA-05P(G)	6-18	3.33-7.00	48	46	52
1,000	1/2	CTA-10P(G)	6-18	3.33-7.00	48	46	52
2,000	1	CTA-20P(G)	6-18	3.33-7.00	48	46	52
4,000	2	CTA-40P(G)	6-18	3.33-7.00	48	46	52
6,000	3	CTA-60P(G)	6-18	3.33-7.00	48	46	57
8,000	4	CTA-80P(G)†	6-18	3.33-7.00	**	125	130
10,000	5	CT-100P(G)†	6-18	3.33-7.00	**	125	130

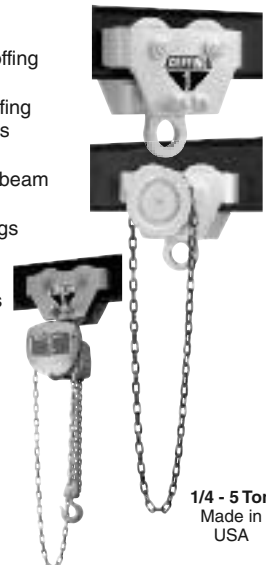
\* When ordering, specify "P" for plain trolley or "G" for geared trolley.

\*\*Standard model for straight track only. Articulating model for 4-foot minimum radius curve available - call for more information.

† Eight-wheel trolley design - reduces beam flange stress

NOTE: Please call for complete dimensional data.

- Easy Operation - Lowest rolling effort of Coffing trolley lines.
- Universal Mounting - Clevis accepts all Coffing hook-mounted hoists, or lug-mounted hoists attach directly to load pins.
- Adjustable - Trolley easily adjusts to fit any beam flange within range of adjustment.
- Wrap-Around Side Plates - Act as safety lugs to increase operator safety and bumpers to protect wheels.
- Dual Tread Wheels - Fully machined wheels fit any tapered beam flange within range of adjustment. Wheels include permanently lubricated, shielded ball bearings for long life and low maintenance.
- Options - Spark resistant and corrosion resistant wheels available. Track clamps available on 1/4 to 4 Ton models.
- Lifetime Warranty.



1/4 - 5 Ton  
Made in USA

## Manual Trolleys

### Coffing CBT Trolley

**Coffing CBT Model** - Available in plain and geared models, the CBT is the economical choice for most applications. The trolley features steel wrap around side plates, dual tread wheels, and lifetime lubricated shielded ball bearings. All the CBTs' features combine to ensure you a trolley that is smooth rolling, versatile, and reliable.

- Capacities - Rated loads from 1/4 to 5 Ton (Metric Rated). In plain and geared models.
- Economical - Excellent low cost choice for manual and powered hoists.

Capacity (tons)	Model No.	Beam Height (in)	I-Beam Width (in)	Min Radius Curve (in)	Wheel Tread Dia (in)	Net Weight (lbs)
1/4	CBTP-0025	4 - 24	2.0 - 8.7	27	2.36	19
1/2	CBTP-0050	4 - 24	2.0 - 8.7	27	2.36	19
1	CBTP(G)-0100	5 - 24	2.3 - 8.7	36	2.36	26
1-1/2	CBTP(G)-0150	6 - 24	2.3 - 8.7	45	3.15	46
2	CBTP(G)-0200	6 - 24	2.3 - 8.7	45	3.15	46
3	CBTP(G)-0300	8 - 24	3.0 - 8.7	55	4.41	86
5	CBTP(G)-0500	10 - 24	3.5 - 8.7	70	4.92	130

- Rugged - Designed to provide superior performance & long, efficient service.
- Low Rolling Effort - Geared models have standard 6-foot hand chain drop. Other hand chain drops available.
- Universal Hanging Clevis - Accepts most hook mounted hoists.
- Adjustable - Trolley easily adjusts to fit any beam flange within range of adjustment, up to an 8.7" flange width.
- Wrap-Around Side Plates - Lugs provide additional security to increase operator safety and act as bumpers to protect wheels.
- Dual Tread Wheels - Will fit either tapered or flat beam flange within range of adjustment. Wheels include permanently lubricated, shielded ball bearings for long life and low maintenance.
- Lifetime Warranty.



### CM 84A Trolley

**CM Series 84A Plain or Geared Trolley** - Manufactured for heavy duty, industrial grade applications. CM Series 84A trolleys feature fully sealed, precision bearings, heavy duty side frames and fully machined wheel tread for superior performance and long life — with minimal maintenance.

Product Code	Geared	Rated Capacity (tons)	Beam Height (in)	Flange Width (in)	Min Radius Curve (in)	Approx Net Weight Plain Less Chain (lbs)	Approx Net Weight Geared Less Chain (lbs)
1641-0025	1642-0025	1/4	4 - 12	2.66 - 5.00	20	23	38
1641-0050	1642-0050	1/2	4 - 12	2.66 - 5.00	20	23	38
1641-0100	1642-0100	1	5 - 12	3.00 - 6.00	24	43	62
1641-0150	1642-0150	1-1/2	5 - 12	3.00 - 6.00	24	45	65
1641-0200	1642-0200	2	6 - 18	3.33 - 6.25	30	67	90
1641-0300	1642-0300	3	6 - 18	3.33 - 6.25	30	70	93
1641-0400	1642-0400	4	8 - 24	4.00 - 7.00	36	155	184
1641-0500	1642-0500	5	8 - 24	4.00 - 7.00	36	160	188
1641-0600	1642-0600	6	8 - 24	4.00 - 7.00	36	160	188
1641-0800	1642-0800	8	10 - 24	4.62 - 8.00	60	300	347
1641-1000	1642-1000	10	10 - 24	4.62 - 8.00	60	310	360
1641-1200	1642-1200	12	10 - 24	4.62 - 8.00	60	310	360
1631-1600	1632-1600	16	18 - 24	6.00 - 8.00	96	800	895
1631-2000	1632-2000	20	18 - 24	6.00 - 8.00	96	845	955
1631-2500	1632-2500	25	18 - 24	6.00 - 8.00	120	1045	1200

- Available in capacities from 1/4 through 25 ton with 30 through 50 ton trolleys available as tandem construction.
- Lifetime lubricated, precision ball bearings on trolleys through 3 ton capacity. Trolleys with capacities 4 tons and greater are equipped with eight sealed, Timken tapered roller bearings and grease fittings.
- Heavy rolled steel side frames extend beyond the wheels to provide these trolleys with superior strength, rigidity and added protection for the trackwheels. Units with capacities from 1/4 through 12 tons employ universal wheel treads for use on flat or tapered beam flanges. Units with capacities from 16 through 25 tons operate on American Standard I-beams with tapered flanges. For patented track, consult factory.
- Trolley wheels are fully machined from alloy cast iron and hardened for high strength and long life.
- Alloy steel axles and equalizer pins are heat treated for maximum strength and wear life.
- Geared versions have fully machined trackwheel gears and incorporate a swinging chain guide which keeps the hand chain aligned and free from jamming.
- Available to fit a broad range of wider flange beams and patented track applications not listed - contact factory.
- Made in the USA.
- Spark resistant models available — add suffix "SR."



### CM Series 632 Close Radius Trolley

With revolutionary advances, this shorter, more compact trolley is 50% lighter than competitive trolleys, yet every bit as tough.

- Negotiates radius curves as tight as 7 to 10 inches
- Made of highest quality rolled steel
- Unique double row, ball bearing wheel design for greater wear capacity
- Larger V-bars available for wider flange adjustment
- For low headroom applications
- Bearings prepacked with lifetime lubricant

- Exclusive Dial-Fit collar quickly adapts trolley to wide range of beams and patented rails
- Dust covers shield and protect bearings

- Trolleys available for larger beams, rails, or tracks; contact your Sales Rep.
- Cast iron trolley guards available (except for 3 ton)
- Lifetime warranty

Rated Cap.* (tons)	Product code	Adj. for Std. S-beams		Tread Dia. (in)	Net Wt. (lbs)	Ship Wt. (lbs)	Min. radius curve (in)
		Depth of beam (in)	Flange Width (in)				
1/4 - 1/2	3222	4-12	2-5/8 - 5-1/16	2-3/4	9	10	7
1	3224	4-12	2-5/8 - 5-1/16	2-3/4	10	12	7
1-1/2 - 2	3226	6-15	3-3/8 - 5-5/8	3-1/2	23	25	10
3	3230	8-18	4-6-1/4	3-1/2	29	33	10

All capacities can be supplied for S-beams larger than listed and also for wide flange beams, rails, or tracks w/approx. equivalent flange widths.



Made in U.S.A.

## Hoists

# Manual Trolleys

## CM Series 633 Wide Range Trolley

Simple, rugged, built for trouble-free service, and ease of operation across a wide range of beam applications. Series 633 features:

- Rugged steel side plates formed to include bumpers and trolley guards for added security
- Frames connected by steel equalizer pin, secured by two nuts on each side
- Universal tread flanged trackwheels equipped with shielded ball bearings
- Easy rolling on American standard shapes, wide flange shapes, or patented rail
- Hardened wheels and axles for added strength and durability

- Spacer washers can be shifted inside or outside for easy adjustment to wide range of beams
- To be used with hook suspended hoist
- Suspension plate for easy attachment is std.
- Bearings prepacked with lifetime lubricant
- One-year warranty
- Imported

Rated Cap.* (tons)	Product Code	Adj. for Std. S-beams		Tread Dia. (in)	Net Wt. (lbs)	Ship Wt. (lbs)
		Depth of Beam (in)	Flange Width (in)			
1/2	3302	3-15	2-1/2 - 5-5/8	2-9/32	15	17
1	3304	5-24	3 - 8	3-15/32	34	36
2	3306	6-24	3-5/8 - 8	3-15/16	50	53
3	3307	8-24	4 - 8	5-1/8	95	100
5	3309	10-24	4-5/8 - 8	6-1/8	172	175



## Harrington RH-Advantage Wire Rope Trolley Hoists

**Harrington's Wire Rope Hoists Have Space Saving Design and Exceptional Quality.** Harrington's RH-Advantage electric wire rope trolley hoists are built with an ultra-low headroom configuration which provides the lowest headroom possible by positioning the trolley and hoist parallel with the beam. Product line includes a standardized selection of commonly used trolley hoists designed for heavy-duty applications.

### Selection

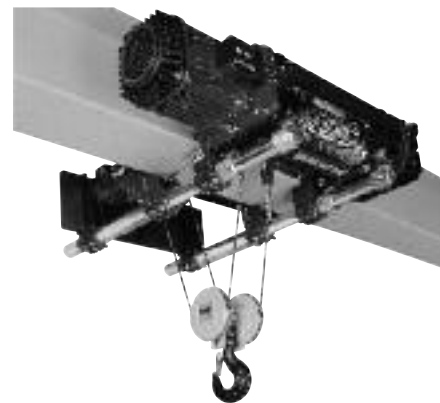
- Stocked in 5, 7-1/2 and 10 Ton capacities
- Ultra-Low headroom configuration.
- Standard 23 foot or 33 foot lift.
- Voltage 460V-3-60 or 230V-3-60.

### Dependability

- Revolutionary conical rotor brake virtually eliminates brake maintenance issues.
- IP55-rated and suitable for harsh environments.
- Spring-tensioned, next generation rope guide secures rope to drum.
- Hoist and trolley feature heavy-duty fan cooled motors.
- Premium hoist rope provides resistance to fatigue and wear.

### Ease of use

- Low headroom configuration.
- Requires very little maintenance.
- Easy access design simplifies inspection of rope, drum, and related components.
- Installation on beam requires no special tools and does not utilize threaded rods common on other brands.



Cap (tons)	Product Code	Lift (ft)	Lifting Speed (ft/min)	Reeving (part/ reeving)	Rope (mm- spec)	Dual Speed Lifting Motor 3 Phase 60Hz			Net Weight (lbs)
						Output (Hp)	Rated Current (amps)		
			@460V				@230V		
5	RH05U23D4G-1-WA	23	16/5	4/1	9	8.0/2.7	11.5/9.6	23.0/19.0	991
5	RH05U33D4G-1-WA	33	16/5	4/1	9	8.0/2.7	11.5/9.6	23.0/19.0	1101
7-1/2	RH08U23D4G-1-WA	23	16/5	4/1	9	8.0/2.7	11.5/9.6	23.0/19.0	991
7-1/2	RH08U33D4G-1-WA	33	16/5	4/1	9	8.0/2.7	11.5/9.6	23.0/19.0	1101
10	RH10U23D4G-1-WA	23	16/5	4/1	13	16.1/5.4	23.0/17.3	46.0/34.5	2429
10	RH10U33D4G-1-WA	33	16/5	4/1	13	16.1/5.4	23.0/17.3	46.0/34.5	2671



## Electric Chain Hoists

### CM Lodestar Electric Chain Hoist

The balanced, integrated, proven design of the CM Lodestar has made it the most popular electric chain hoist in the industry. Lodestar gives you more value for your money including:

- Up to 3 ton capacities for heavy-duty industrial applications
- Gear train lifetime lubricated with non-oxidizing grease
- Precision machined and hardened liftwheel with hardened chain guides for precise chain liftwheel fit
- Gearing designed for exceptionally long life and quiet operation.
- H4 duty standard
- Rugged control station (NEMA 4x)
- Hoist duty motor, standard Protector overload device and standard screw type limit switches.

#### Specifications—Single Speed

Rated Cap.* (tons)	Std. lift (ft.)	Lift speed (F.P.M.)	Motor H.P.	Model	Reeving	Product code † less suspension	Approx. shipping wt. (lbs.)
1/8	10	32	1/4	A	1	2702	60
1/8	10	60	1/2	AA	1	2712	66
1/8	15	32	1/4	A	1	3101	64
1/8	15	60	1/2	AA	1	3111	70
1/8	20	32	1/4	A	1	3102	68
1/8	20	60	1/2	AA	1	3112	74
1/4	10	16	1/4	B	1	2722	60
1/4	10	32	1/2	C	1	2732	66
1/4	15	16	1/4	B	1	3121	64
1/4	15	32	1/2	C	1	3131	70
1/4	20	16	1/4	B	1	3122	68
1/4	20	32	1/2	C	1	3132	74
1/2	10	8	1/4	E	2	2742	69
1/2	10	16	1/2	F	1	2752	66
1/2	10	32	1	J	1	3512	110
1/2	10	64	2	JJ	1	—	117
1/2	15	8	1/4	E	2	3141	76
1/2	15	16	1/2	F	1	3151	70
1/2	15	32	1	J	1	4212	116
1/2	15	64	2	JJ	1	—	123
1/2	20	8	1/4	E	2	3142	83
1/2	20	16	1/2	F	1	3152	74
1/2	20	32	1	J	1	4213	121
1/2	20	64	2	JJ	1	—	128
1	10	8	1/2	H	2	2762	75
1	10	16	1	L	1	3522	110
1	10	32	2	LL	1	—	117
1	15	8	1/2	H	2	3161	82
1	15	16	1	L	1	4222	116
1	15	32	2	LL	1	—	123
1	20	8	1/2	H	2	3162	89
1	20	16	1	L	1	4223	121
1	20	32	2	LL	1	—	128
2	10	8	1	R	2	3532	130
2	10	16	2	RR	2	—	137
2	15	8	1	R	2	4232	140
2	15	16	2	RR	2	—	147
2	20	8	1	R	2	4233	150
2	20	16	2	RR	2	—	157
3	10	5.5	1	RT	3	9501	155
3	10	11	2	RRT	3	—	162
3	15	5.5	1	RT	3	9502	169
3	15	11	2	RRT	3	—	176
3	20	5.5	1	RT	3	9503	183
3	20	11	2	RRT	3	—	190

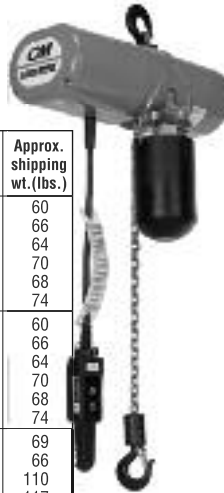
† Single speed hoist factory wired 460V, convertible to 230V.

\* DO NOT exceed working load limit, load rating, or capacity.

- Hardened, forged steel, latch type hooks, and Hoistaloy load chain for long, dependable service
- Easy to install and maintain
- No special tools required to disassemble
- Lifetime warranty
- Each hoist thoroughly inspected and tested to over 125% of rated load prior to shipment
- Meets ASME B30.16
- Made in U.S.A.

#### Special applications

- Harsh environment hoists available for severe duty of plating, galvanizing, and washdown applications
- Hoists with climbing capability available for temporary rigging or lifting applications—must be used in inverted position only
- Hoists with creep control allow precise positioning through field adjustment within the time delay range of .05 sec. to 3 sec.
- Articulating suspension 3 ton only



Single Reeved



Double Reeved



Triple Reeved

Rated Capacity	Standard Lift (ft)	Lift Speed (F.P.M.)	Motor H.P.	Model	Reeving	230-3-60	460-3-60	Approx. Shipping Weight (lbs)
1/8	10	10/32	1/4	A2	1	2707	2708	70
1/8	10	20/60	1/2	AA2	1	2717	2718	74
1/4	10	5/16	1/4	B2	1	2727	2728	70
1/4	10	10/32	1/2	C2	1	2737	2738	74
1/2	10	2.5/8	1/4	E2	2	2747	2748	79
1/2	10	5/16	1/2	F2	1	2757	2458	74
1/2	10	10/32	1	J2	1	3502	3503	116
1/2	10	21/64	2	JJ2	1	3549	3550	130
1	10	2.5/8	1/2	H2	2	2767	2768	83
1	10	5/16	1	L2	1	3504	3505	116
1	10	10/32	2	LL2	1	3553	3554	130
2	10	2.5/8	1	R2	2	3506	3507	136
2	10	5/16	2	RR2	2	3561	3562	150
3	10	1.75/5.5	1	RT2	3	9511	9513	161
3	10	3.5/11	2	RRT2	3	9512	9514	175

† Specify voltage 230 or 460

## Hoists

# Electric Chain Hoists

## CM Lodestar with Hook Suspension

Type	Product Code	Models
Swivel hook	2792	A-AA-B-C-F
Swivel hook	2793	E-H
Swivel hook	3661	J-L-JJ-LL
Swivel hook	3660	R-RR
Swivel hook	9557	RT-RRT
Swivel latchlok hook	2796	A-AA-B-C-F
Swivel latchlok hook	3662	J-L-JJ-LL
Swivel latchlok hook	3663	R-RR
Rigid lug for low head trolley	2778	A-AA-B-C-F
Rigid lug for low head trolley	2779	E-H
Rigid lug for low head trolley	3677	J-L-JJ-LL
Rigid lug for low head trolley	3668	R-RR
Rigid lug for low head trolley	9561	RT-RRT
Rigid hook	2788	A-AA-B-C-F
Rigid hook	2789	E-H
Rigid hook	3651	J-L-JJ-LL
Rigid hook	3658	R-RR
Rigid hook	9559	RT-RRT
Rigid latchlok hook	2790	A-AA-B-C-F



Note: 3 ton lug suspension prevents hoist from rotating but allows hoist to articulate below trolley.

## CM Lodestar with Series 635 Low Headroom Trolley

Rated Cap.* (tons)	Product Code	Models	Std. Range of Adj. Am. Std. S-beams		Tread Dia. (in)	Min. Radius Curve (in)	Approx. Ship Wt. (lbs)
			Depth (in)	Flange Width (in)			
1/8 to 1	3575	A-L	4-15	2-5/8 - 5-5/8	3-1/8	24	22
2	3569	R-RR	6-18	3-3/8 - 6	4-3/4	24	52
3	9576	RT-RRT	8-15	4-5-5/8	4-3/4	30	58

Note: Rigid lug suspension required for attaching to hoist. Apply for other than standard beam adjustment. Beam end stop omitted for picture clarity.



## CM Lodestar with Series 635 Motor Driven Trolley

Rated Cap.* (tons)	Product Code	For use with Model	Power Supply	Std. Travel Speed (F.P.M.)	Motor H.P.	Std. Range of Adj. Am. Std. S-beams		Min. Radius Curve (in)	Approx. Ship Wt. (lbs)
						Depth (in)	Flange (in)		
1/8-2	3670	A-RR	115-1-60	75	1/4	6-15	3-3/8 - 5-5/8	30	118
1/8-2	3671	A-RR	230-3-60	75	1/4	6-15	3-3/8 - 5-5/8	30	118
1/8-2	3672	A-RR	460-3-60	75	1/4	6-15	3-3/8 - 5-5/8	30	118
3	9577	RT-RRT	115-1-60	75	1/4	8-15	4-5-5/8	30	120
3	9578	RT-RRT	230-3-60	75	1/4	8-15	4-5-5/8	30	120
3	9579	RT-RRT	460-3-60	75	1/4	8-15	4-5-5/8	30	120
1/8-2	9315	A-RR	115-1-60	30	1/4	6-15	3-3/8 - 5-5/8	30	113
1/8-2	9316	A-RR	230-3-60	30	1/4	6-15	3-3/8 - 5-5/8	30	113
1/8-2	9317	A-RR	460-3-60	30	1/4	6-15	3-3/8 - 5-5/8	30	113
3	9318	RT-RRT	115-1-60	30	1/4	8-15	4-5-5/8	30	120
3	9319	RT-RRT	230-3-60	30	1/4	8-15	4-5-5/8	30	120
3	9320	RT-RRT	460-3-60	30	1/4	8-15	4-5-5/8	30	120

Can be modified to fit larger beams. - Flat tread wheel available. - Beam size and voltage required for ordering. - Apply for other than standard travel speeds.

Type	Product Code	Models
Rigid lug for motor driven trolley	2992	A-AA-B-C-F
Rigid lug for motor driven trolley	2993	E-H
Rigid lug for motor driven trolley	3679	J-L-JJ-LL
Rigid lug for motor driven trolley	3668	R-RR
Rigid lug for motor driven trolley	9561	RT-RRT

Note: Beam end stop omitted for picture clarity.

### \* WARNING!

Overloading and improper use can result in injury.

To avoid injury:

- Do not exceed working load limit, load rating, or capacity.
- Do not use to lift people or loads over people
- Use only alloy chain and attachments for overhead lifting.
- Read and follow all instructions.



## CM Lodestar XL Electric Chain Hoists

The CM Lodestar XL gives you the same lifting reliability as our popular original Lodestar, but with faster speeds, less reeving, and higher capacities. Operators in automotive, heavy manufacturing, paper mills and other industries will come to rely on the Lodestar XL under any conditions.

Heavy-duty motor and gearing assure you'll get reliable load lifting, day after day, especially when the going gets tough. It's the Lodestar tradition.

			230/460-3-60				575-3-60			
Capacity (tons)	Reeving	Speed (fpm)	Hook	Plain Trolley	Gear Trolley	Motor Driven Trolley	Hook	Plain Trolley	Gear Trolley	Motor Driven Trolley
2	1	18	5201H	5201P	5201G	5201M	5231H	5231P	5231G	5231M
2	1	24	5204H	5204P	5204G	5204M	5232H	5232P	5232G	5232M
2	1	30	5265H	5265P	5265G	5265M	5266H	5266P	5266G	5266M
3	2	9	5209H	5209P	5209G	5209M	5233H	5233P	5233G	5233M
3	2	12	5212H	5212P	5212G	5212M	5234H	5234P	5234G	5234M
3	2	15	5267H	5267P	5267G	5267M	5268H	5268P	5268G	5268M
4	2	9	5215H	5215P	5215G	5215M	5235H	5235P	5235G	5235M
4	2	12	5218H	5218P	5218G	5218M	5236H	5236P	5236G	5236M
4	2	15	5269H	5269P	5269G	5269M	5278H	5278P	5278G	5278M
5	3	6	5221H	5221P	5221G	5221M	5237H	5237P	5237G	5237M
5	3	8	5224H	5224P	5224G	5224M	5238H	5238P	5238G	5238M
5	2	9	5279H	5279P	5279G	5279M	5280H	5280P	5280G	5280M
5	2	12	5283H	5283P	5283G	5283M	5284H	5284P	5284G	5284M
5	2	15	5285H	5285P	5285G	5285M	5286H	5286P	5286G	5286M
6	3	6	5227H	5227P	5227G	5227M	5239H	5239P	5239G	5239M
6	3	8	5230H	5230P	5230G	5230M	5240H	5240P	5240G	5240M
6	3	10	5287H	5287P	5287G	5287M	5288H	5288P	5288G	5288M
7.5	23	6	5289P	5289G	5289M	5290P	5290G	5290M		

The Lodestar XL electric chain hoist features:

- 2 to 7-1/2 ton capacities for heavy-duty industrial applications
- Forged 10 pocket oblique lay liftwheel for smooth chain operation, constant chain speed, and reduced chain wear
- Gearing operates in oil bath. Designed for exceptionally long life and quiet operation
- Heavy-duty multiple disc braking system
- Hardened forged steel latch type hooks
- Hoistalloy load chain for long, dependable service
- Thermally protected hoist duty motor
- Standard Protector overload device
- Standard screw type limit switches
- Easy installation and maintenance
- Provides high reliability and long life
- Rated H-4, heavy duty
- Factory tested at 125% of rated capacity prior to shipment
- Lifetime warranty
- Made in U.S.A.



2 ton single reeved at 18 or 24 F.P.M.



3 & 4 ton double reeved at 9 or 12 F.P.M.

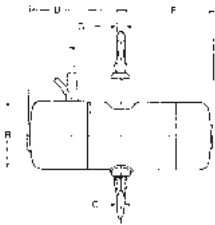
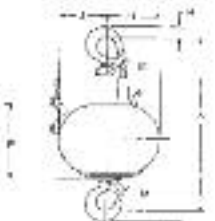


5 & 6 ton triple reeved at 6 or 8 F.P.M.

## Electric Chain Hoists

### CM Lodestar Electric Chain Hoists with Long Lift

- Designed and built to take the rigors of the touring industry
- Black powder coat finish for durability
- 115 VAC control circuit
- Heat treated formed steel chain guides
- Easy to handle, operate, and maintain
- Designed for operation in the inverted position
- H4 duty rated at 30 minutes/300 starts/hour
- Operates with voltage drops up to 10% below name plate rating
- Capacities of up to 3 tons
- Adjustable screw limits provide added reliability
- Standard overload protection offers increased safety
- Minimum 5:1 design ratio
- Zinc plated load chain protects against corrosion
- Grease lubrication in gear case eliminates oil drips on stage
- Hoist motor is completely enclosed in durable protective cast aluminum housing
- Interfaces with all existing controllers and power distros
- Fits in standard road case
- Lifetime warranty
- Each hoist thoroughly inspected and tested to over 125% of rated load prior to shipment
- Meets ASME B30.16, HMI (Hoist Manufacturing Institute), NEC and OSHA standards and regulations
- Made in U.S.A.



#### Clearance Dimensions (in)

	Lodestar model		
	A, AA, B, C & F	J, JJ, L & LL	R & FIR
A	16-1/4	18-9/16	24-1/8
B	6-1/8	7-5/8	7-5/8
C	11-1/6	7/8	1-1/8
D	11	9-1/2	9-1/2
F	7-3/4	10-11/16	10-11/16
H	1	1-3/16	1-1/2
I	4-13/16	7-1/4	6-3/16
J	3-15/16	5-7/16	6-1/2
M	1	1-1/8	1-5/16
P	6-5/8	7-13/16	7-13/16

#### Hoist Specs - Black Finish Hoist Alloy w/ 60 ft.\*\* Lift

Suspensions must be ordered separately.

Rated Cap. * (tons)	Model	Lifting Speed (fpm)	Lift (ft.)	Product code Less Suspension	H.P.	Operating voltage	Full Load Amps	Work rating		
								HMI	FEM	ISO
1/4	B	16	60	3140	1/4	115-1-60	5.2	H-4	L4 - 1AM	M-4
1/4	B	16	60	3169	1/4	230/460-3-60	1.8/1.1	H-5	L4 - 1AM	M-4
1/4	C	32	60	3200	1/2	115-1-60	8.0	H-4	L4 - 1AM	M-4
1/4	C	32	60	3201	1/2	230/460-3-60	1.7/1.2	H-5	L4 - 1AM	M-4
1/2	F	16	60	2867S	1/2	115-1-60	8.0	H-4	L4 - 1AM	M-4
1/2	F	16	60	2868S	1/2	230/460-3-60	1.7/1.2	H-5	L4 - 1AM	M-4
1/2	J	32	60	3394	1	115-1-60	17	H-4	L4 - 1AM	M-4
1/2	J	32	60	3482	1	230/460-3-60	3.8/2.3	H-4	L4 - 1AM	M-4
1	L	16	60	3609S	1	115-1-60	17	H-4	L4 - 1AM	M-4
1	L	16	60	3610S	1	230/460-3-60	3.8/2.3	H-4	L4 - 1AM	M-4
2	R	8	60	4238	1	115-1-60	17	H-4	L4 - 1AM	M-4
2	R	8	60	4239	1	230/460-3-60	3.8/2.3	H-4	L4 - 1AM	M-4
2	RR	16	60	4272	2	230/460-3-60	11.3/6	H-4	L3 - 1BM	M-3

Note: All theatrical hoists are shipped with 2-1/2 ft. power and control cords less control station unless otherwise specified. For other lifts, speeds, and capacities, please call.

\*\*For lifts other than 60 ft., contact your nearest CM theatrical distributor.

#### CM Lodestar Hook Suspensions with Black Finish

Model	Conventional Rigid Hook	Conventional Swivel Hook	Latchlok Rigid Hook	Latchlok Swivel Hook
AA - F	2998	2999	2998E	2999E
J - LL	3631	3624	3631E	3624E
R & RR	3634	3600	3634E	3600E

Note: For other hook suspensions or special configurations, please call.

### CM Prostar Electric Chain Hoist

Lightweight, quiet, and portable, the CM Prostar is designed and built for the unique rigging needs encountered at small venues.

Featuring an overload device that protects the hoist, operator, and structure from damaging overloads.

- Key Features — DC electro-mechanical double brakes, non-adjusting for low maintenance and quiet operation.
- Gearing — Precision machined gears heat treated for strength and durability.
- Chain Guide — One piece jam free for smooth operation.
- Housing — Lightweight, cast aluminum, durable and strong black powder coated finish for low visibility.
- Lift Wheel — CM patented 10 pocket oblique lift wheel for quiet and smooth operation.
- Low Voltage Control — 110 volt for long cable runs without voltage drop 24 and 48 volt optional.
- Duty Cycle — H-4 duty rated, designed for heavy duty application.
- Standard Features — Overload protection, helps prevent lifting of dangerous overloads.
- Chain Stop — Mounted on load chain prevents over-travel.
- Metric Rated Load Chain — Designed and manufactured by Columbus McKinnon. Zinc plated to protect against corrosion. Black phosphate finish optional.
- The industry's best lifetime warranty.
- Meets or exceeds world standards.
- Optional features — Chain bag, easy-to-mount cloth type bags.
- Double brake.
- Encoder.



Capacity	Number of Chains	Motor (HP)	Lift Speed (FPM)	Wt. Less Chain (lbs)	Weight 1 ft of Chain (lbs)	Full Load Amps	
						1-Phase	3-Phase
300	1	1/6	16	28	0.35	3.6	.6"/1.2"
300	1	1/6	16	28	0.35		.6"/1.1"
500	1	1/6	16	28	0.35		.7"/1.2"
500	1	1/6	12	28	0.35	4	
600	2	1/6	8	36	0.7	3.6	.6"/1.1"
600	2	1/6	8	36	0.7	3.6	.6"/1.1"
1000	2	1/6	8	36	0.7		.7"/1.2"

Models	Lift Speed (FPM)	Operating Voltage			
		Single Phase		Three Phase	
300	16	115-1-50/60	200-1-50/60	220-3-50/60	415-3-50/60
300	24			220-3-50/60	415-3-50/60
300	40			220-3-50/60	415-3-50/60
500	12	115-1-50/60	200-1-50/60		
500	16			220-3-50/60	415-3-50/60
500	20			220-3-50/60	415-3-50/60
600	8	115-1-50/60	200-1-50/60		
600	12			220-3-50/60	415-3-50/60
1000	6	115-1-50/60	200-1-50/60		
1000	8			220-3-50/60	415-3-50/60
1000	12			220-3-50/60	415-3-50/60

## Hoists

# Electric Chain Hoists

## Coffing Model UJL

Coffing UJL Models are designed to meet your toughest rigging applications. Whether flying truss for lighting and sound or moving sets and backdrops, the UJL is your rigging solution. Compact and quiet, the UJL features multiple disc motor brake, mechanical overload clutch, and chain end stop for safety.

- Crowd Pleaser - Rated loads from 1/2 to 2 ton, lifts to 120 feet, and speeds of 8, 16, and 32 FPM.
- Road Warrior - Rugged aluminum housing withstands setup and tear down show after show.
- Powerful - Dual voltage, industrial duty motors for long service. 115-volt control standard, 24 VC optional.
- Quiet - Five-pocket load sheave for smooth, quiet operation and reduced chain wear.
- Cool - Oil bath transmission runs cooler, lasts longer.
- Versatile Performer - Spring-loaded contractor allows for inverted or upright lifting.
- "No Worries, Mon" - Hoist motor, electrical panel, and chaining parts are easily accessible for maintenance and repair without disassembly of transmission.
- Tough Act to Follow - Lifetime warranty against defective workmanship and materials.
- Local Gig - Made in USA.



Model No.	Rated Load (lbs)	No. of Chains	Max Lift (ft)	Lifting Speed (FPM)	Motor H.P.	Motor Voltage/Pahse/Hertz**				Ship. Unit Less Chain (lbs)	Net Wt. Unit Less Chain (lbs)
							Amps		Amps		
UJL-1016-1	1000	1	120	16	1/2	115/1/60	7.6	230/1/60	3.8	73	68
UJL-1016-3	1000	1	120	16	1/2	230/3/60	1.9	460/3/60	.95	68	63
UJL-1032-1	1000	1	120	32	1	115/1/60	14.0	230/1/60	7.0	86	81
UJL-1032-3	1000	1	120	32	1	230/3/60	3.0	460/3/60	1.5	75	70
UJL-2016-1	2000	1	120	16	1	115/1/60	14.0	230/1/60	7.0	86	81
UJL-2016-3	2000	1	120	16	1	230/3/60	3.0	460/3/60	1.5	75	70
UJL-4008-1	4000	2	60	8	1	115/1/60	14.0	230/1/60	7.0	96	91
UJL-4008-3	4000	2	60	8	1	230/3/60	3.0	460/3/60	1.5	85	80

\*All units are less chain and less control pendant. Specify lift, number pigtails, and control pendant, if required.

\*\*All motors are dual voltage. 3-phase and 1-phase motors will operate on 50-hertz power, but will only run 5/6 nominal speed. Optional 3-phase voltages - 208, 380, 415, 575. 60 hertz standard. 50 hertz available.

## UJL Dimensional Specifications

### Hoist Dimensions

Model No.	Rated Load (lbs)	A 1-PH (in)	A 3-PH (in)
UJL-1016	1000	9	8-1/4
UJL-1032	1000	10-1/2	8-5/8
UJL-2016	2000	10-1/2	8-5/8
UJL-4008	4000	10-1/2	8-5/8

### Chain Container Dimensions

Model No.	E Dia. (in)	F (in)	Ship. Wt. (lbs)	Net Wt. (lbs)	Chain Container Cap. (ft)		
					UJL-1016 & 1032 1/4" Single Chain	UJL-2016 9/32" Single Chain	UJL-4008 9/32" Double Chain
UJL-927-1	9	14	2-1/2	1	90	70	35
UJL-927-2	12	15	3	1-1/2	120	120	60

- Two sizes - Available for lifts up to 120 feet.
- Construction - Bag made from heavy-duty #6 canvas, with molded polyurethane bottom, and swivel snap for attachment.
- Compact Design - Black finish, lightweight, and collapsible for easy storage.
- Suspension - Mounts easily and quickly to eyebolt for take-up of slack chain.
- Made in USA.



## CM Valustar Electric Chain Hoists

CM Valustar is designed specifically for general commercial applications.

Product code		Model	Max Capacity (tons)	Hoist Lifting Speed FPM	Approximate Shipping wt. (lbs)	
115-1-60	230/460-3-60				115-1-60	230/460-3-60
2401	2402	WB	1/4	16	54	58
2403	2404	WF	1/2	16	60	58
2405	2406	WH	1	8	70	68
2407	2408	WL	1	16	105	106
2409	2410	WR	2	8	130	122
2401B	2402B	WB	1/4	16	64	62
2403B	2404B	WF	1/2	16	64	62
2405B	2406B	WH	1	8	77	75
2407B	2408B	WL	1	16	111	112
2409B	2410B	WR	2	8	136	128
2401C	2402C	WB	1/4	16	68	66
2403C	2404C	WF	1/2	16	68	66
2405C	2406C	WH	1	8	84	82
2407C	2408C	WL	1	16	116	117

This compact, lightweight hoist features:

- Fully machined and heat treated liftwheel with hardened chain guides for smooth chain operation and reduced chain wear
- Heavy-duty caliper type AC brake
- Rugged NEMA 4 control station, 115 volt control circuit
- Easy to install and maintain
- CM Hoistaloy load chain for smooth operation and maximum chain life
- Efficient regenerative braking system to avoid heat generation in power train.
- Enclosed hoist duty motor
- Gear train lifetime lubricated with non-oxidizing grease
- Latch type hooks
- Hook suspension standard
- Fully machined and heat treated gear train
- Standard overload Protector device
- H3 duty-1 phase; H-4 duty-3 phase
- One-year warranty • Made in U.S.A.



## CM Powerstar® High Capacity Electric Chain Hoists

Faster speeds than ever before in chain hoists this size including the first single-chain electric hoist ever in a 3 ton capacity.

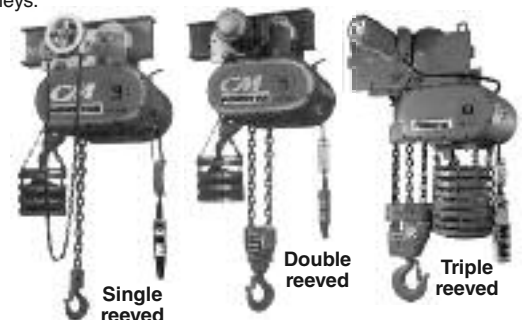
CM Powerstar Electric Chain Hoists are designed for high duty cycle applications. The hoist uses efficient regenerative braking, avoiding heat generation in the power train inherent in wire rope hoists which utilize power robbing, mechanical braking systems.

With a helical gearing system that assures smooth, quiet operation, the Powerstar lifts more safely and efficiently than comparable wire rope hoists. CM's hardened alloy steel Hoistaloy® load chain provides high strength and long service life. Chain has more flexibility - will not twist, kink, or jam when properly used and maintained. It has a much longer life than wire rope, is easier to inspect, easier to replace, and assures true vertical lift. Longer lifts are available without an increase in hoist frame size or a substantial increase in cost.

STANDARD/CLOSE HEADROOM MODELS	
Cap. (Tons)	Hoist Speeds (Ft/Min)
2	20, 24, 32, 40, 48
3	20, 24, 32, 40
4	10, 12, 16, 20, 24
5	10, 12, 16, 20, 24
6	10, 12, 16, 20
7-1/2	7, 8, 11, 14, 16
9	7, 8, 11, 13
10	7, 8, 11, 13
12	5, 6, 8, 10
15	4, 5, 6, 8

Standard safety equipment includes: Protector® to prevent lifting of excessive overloads; Latchlok® hook for more secure load attachment; triple disc, DC rectified brake, and adjustable screw type limit switches. Lightweight, streamlined design. All capacities can be equipped with plain, geared, or motor driven trolleys.

These are basic single speed catalog units. For other capacities, speeds, lifts & complete dimensional information, please contact your sales rep.





## Electric Chain Hoists

### EC Hook & Lug Suspension Models Electric Chain Hoists - Strength & Dependability

**Coffing EC Models** - High performance hoists engineered for heavy duty industrial service. Designed for safety, the EC incorporates mechanical load brake, motor brake, and overload clutch as standard.

- Capacities & Lifts - Rated loads from 1/4 to 5 Tons, with 10, 15, and 20-foot standard lifts. Other lifts available. Standard push button drop is 4-feet less than lift.
- Voltage & Motor Options - 115/230, 208 - single phase; 230/460, 208, 220/380, 575 - three phase; 60 hertz standard, 50 hertz available. Two-speed motors available (3 to 1 speed ratio.)

- Suspension Options - Rigid or swivel top hook, lug, plain, geared, and motorized trolley available.
- Small Frame Design - Features housings of cast aluminum alloy construction for minimum weight. Engineered and designed for use with motors up to 1 HP.
- Large Frame Design - Features load bearing housings of ductile iron construction for maximum strength. Non-load bearing housings of cast aluminum alloy for minimum weight. Engineered and designed for use with higher torque 2 and 3 HP three phase motors.

Capacity		Model No.	Frame* Size	No. of Chains	Motor HP	Lift Speed (FPM)		Headroom (in) †	Housing Dim. (in)			Net Wt. ** (Lbs)
(lbs)	(Ton)					Single	Two		H	W	L	
500	1/4	EC-0516	S	1	1/4	16	5.3	16-7/8	8	11-5/8	23-3/8	100
500	1/4	EC-0532	S	1	1/2	32	10.7	16-7/8	8	11-5/8	23-3/8	108
500	1/4	EC-0564	S	1	1	64	21.3	16-7/8	8	11-5/8	23-3/8	116
1,000	1/2	EC-1009	S	1	1/4	9	3	16-7/8	8	11-5/8	23-3/8	104
1,000	1/2	EC-1016	S	1	1/2	16	5.3	16-7/8	8	11-5/8	23-3/8	106
1,000	1/2	EC-1032	S	1	1	32	10.7	16-7/8	8	11-5/8	23-3/8	118
2,000	1	EC-2004	S	2	1/4	4	1.3	18-1/4	8	11-5/8	23-3/8	116
2,000	1	EC-2008	S	2	1/2	8	2.7	18-1/4	8	11-5/8	23-3/8	116
2,000	1	EC-2012	S	1	3/4	12	4	16-7/8	8	11-5/8	23-3/8	114
2,000	1	EC-2048	L	1	3	48	16	23	10-7/8	14-13/16	31-3/16	302
2,000	1	EC-2016	S	1	1	16	5.3	16-7/8	8	11-5/8	23-3/8	118
2,000	1	EC-2032	L	1	2	32	10.7	23	10-7/8	14-13/16	31-3/16	295
4,000	2	EC-4006	S	2	3/4	6	2	18-15/16	8	11-5/8	23-3/8	127
4,000	2	EC-4008	S	2	1	8	2.7	18-15/16	8	11-5/8	23-3/8	133
4,000	2	EC-4016	L	1	2	16	5.3	23	10-7/8	14-13/16	31-3/16	295
4,000	2	EC-4024	L	1	3	24	8	23	10-7/8	14-13/16	31-3/16	302
6,000	3	EC-6005	S	3	1	5	1.7	23-1/4	8	11-5/8	26-3/8	200
6,000	3	EC-6010	L	2	2	10	3.3	27-3/8	10-7/8	14-13/16	31-3/16	340
6,000	3	EC-6016	L	2	3	16	5.3	27-3/8	10-7/8	14-13/16	31-3/16	347
8,000	4	EC-8008	L	2	2	8	2.7	27-3/8	10-7/8	14-13/16	31-3/16	345
8,000	4	EC-8012	L	2	3	12	4	27-3/8	10-7/8	14-13/16	31-3/16	352
10,000	5	EC-10005	L	3	2	5	1.7	27-7/8	10-7/8	14-13/16	31-3/16	393
10,000	5	EC-10008	L	3	3	8	2.7	27-7/8	10-7/8	14-13/16	31-3/16	393

- Durable Construction - Built in compliance with ASME/ANSI B30.16 and CSA standards.

- Accessories & Options - Full line available to meet a variety of applications.

- Lifetime Warranty.

\* S=Small frame hoist, parallel mounted, single or three phase.  
L = Large frame hoist, cross mounted, three phase only.

\*\*For 10 ft. lift, top hook suspension and lug suspension units.

† Metric rated options available

NOTE: Call for complete dimensional information.



### CM Shopstar Electric Chain Hoists

The CM ShopStar electric chain hoist features rugged construction and high H4 duty cycle. It keeps lifting and lifting, up to 1,000 pounds and 300 motor starts per hour. Additional features and benefits include:

- H4 duty cycle (300 motor starts/hour)
- Easy installation and maintenance
- Standard protector overload device
- 10 pocket oblique lay liftwheel provides longer chain wear
- Epoxy powder coat finish
- 6-1/2 ft. power cord with molded 3 prong plug on 115 volt units
- NEMA 4 industrial rated control station
- Optional impact-resistant chain container available
- Gear train lifetime lubricated with non-oxidizing grease
- CM hoist alloy load chain (zinc plated optional)
- Thermally protected hoist duty motor
- Dual braking system—D.C. plus regenerative
- Rugged cast aluminum alloy hoist frame
- 5:1 design factor
- Small, compact design for commercial applications
- Rigid hook prevents tangling of power cord
- Hardened forged steel latch style lower hook rotates 360°
- Totally enclosed non-ventilated hoist frame protects motor from environmental contamination
- True vertical lift
- Precision bearings used throughout hoist
- Lifetime warranty
- Made in U.S.A.



### Specifications

115-160	Product Code			Max. cap. lbs.	Lifting speed F.P.M.	Reeving	Lift ft.	Approx. shipping wt. (lbs.)	Motor H.P.
230-1-60	230-3-60	460-3-60							
2070	-	-	-	250	16	single	10	26	1/6
-	2069	2071	2072	250	16	single	10	26	1/6
-	-	2076	2077	250	24	single	10	28	1/6
-	-	2081	2082	250	40	single	10	28	1/6
2000	-	-	-	300	16	single	10	26	1/6
-	2047	2026	2029	300	16	single	10	28	1/6
-	-	2086	2087	300	24	single	10	28	1/6
-	-	2074	2075	300	40	single	10	28	1/6
2095	-	-	-	500	8	double	10	32	1/6
-	2094	2096	2097	500	8	double	10	34	1/6
2090	-	-	-	500	12	single	10	26	1/6
-	2089	2091	2092	500	12	single	10	28	1/6
-	-	2080	2084	500	16	single	10	28	1/6
-	-	2101	2102	500	20	double	10	34	1/6
-	-	2099	2100	500	24	single	10	28	1/6
2001	-	-	-	600	8	double	10	32	1/6
-	2048	2035	2038	600	8	double	10	34	1/6
-	-	2106	2107	600	12	double	10	34	1/6
-	-	2105	2114	600	20	double	10	34	1/6
2110	-	-	-	1000	6	double	10	32	1/6
-	2109	2111	2112	1000	6	double	10	34	1/6
-	-	2116	2117	1000	8	double	10	32	1/6
-	-	2119	2121	1000	12	double	10	32	1/6

### Clearance dimensions (in.)

Reeving	A	B	C	D
Single	11-1/16	3	2-15/16	3-7/8
Double	11-15/16	3-9/16	2-3/8	5-3/4

### CM ShopStar Chain Container

Product code	Single reeved	Double reeved	Approx. Shipping wt., lbs.
2063	10	5	1
2064	20	10	1.4
2065	40	20	1.4
2066	80	40	1.4
2067	120	60	2.2



### ⚠ WARNING

Overloading and improper use can result in injury. To avoid injury:

- Do not exceed working load limit, load rating, or capacity.
- Do not use to lift people or loads over people
- Use only alloy chain and attachments for overhead lifting.
- Read and follow all instructions.

## Hoists

# Electric Chain Hoists

## EC Trolley Suspension Electric Chain Hoists - Suspensions for a Variety of Applications

**Coffing ECT, ECGT, and ECMT Models** - Plain, geared, and motorized trolley suspensions with all the features of basic EC models for added flexibility in a variety of applications.

- Plain Trolley - For manual positioning of hoist and load.
- Geared Trolley - For more precise positioning of hoist and load. Standard hand chain drop is 2-feet less than lift.
- Motorized Trolley - For faster positioning of hoist and load over longer distances. 35 or 75 FPM speeds standard with optional speeds of 18, 24, 50, 100, and 150 FPM.
- Voltages - 115/230, 208 - single phase; 230/460, 208, 220/380, 575 - three phase, 60 hertz standard, 50 hertz available.
- Two-Speed Motorized Trolley Models - Optional with 3 to 1 speed ration, three-phase, single voltage only.

- Wrap-Around Side Plates - Act as safety lugs and as bumpers to protect wheels. Available to fit American Standard I-Beams, wide-flange, and patented track beams. Specify track type and beam size.
- Precision Trolley Wheels - Machined, cast iron wheels with sealed, lifetime lubricated ball bearings for extended trolley life. Motorized trolley wheels heat treated for added durability. Bronze and stainless steel wheels optional.
- Two Trolley Designs - 4-wheel design on 1/4 - 3 ton negotiates 48" minimum radius curve, including patented track applications. 8-wheel design on 4 and 5 ton reduces beam flange stress.
- Accessories & Options - Full line available to meet a variety applications.
- Lifetime Warranty.

Capacity (Lbs)	(Ton)	Model No.	Frame Size*	Trolley † Mount	ECT & ECGT Hdmm (in)	ECMT Hdmm (in)	Flange Width (in)	Min. Rad. Curve (in)	Net Wt. (Lbs)**	ECMT Net Wt. (lbs)
500	1/4	EC(†)-0516	S	P	17-1/4	17-1/4	3.332-6	48	145	180
500	1/4	EC(†)-0532	S	P	17-1/4	17-1/4	3.332-6	48	153	188
500	1/4	EC(†)-0564	S	P	17-1/4	17-1/4	3.332-6	48	161	196
1,000	1/2	EC(†)-1009	S	P	17-1/4	17-1/4	3.332-6	48	151	186
1,000	1/2	EC(†)-1016	S	P	17-1/4	17-1/4	3.332-6	48	151	186
1,000	1/2	EC(†)-1032	S	P	17-1/4	17-1/4	3.332-6	48	163	198
2,000	1	EC(†)-2004	S	P	18-5/8	18-5/8	3.332-6	48	161	196
2,000	1	EC(†)-2008	S	P	18-5/8	18-5/8	3.332-6	48	161	196
2,000	1	EC(†)-2012	S	P	17-1/4	17-1/4	3.332-6	48	158	194
2,000	1	EC(†)-2016	S	P	17-1/4	17-1/4	3.332-6	48	163	198
2,000	1	EC(†)-2032	L	C	21-9/16	22-1/4	3.332-6	48	347	375
2,000	1	EC(†)-2048	L	C	21-9/16	22-1/4	3.332-7	48	347	375
4,000	2	EC(†)-4006	S	P	19-5/16	19-3/8	3.332-6	48	172	207
4,000	2	EC(†)-4008	S	P	19-5/16	19-3/8	3.332-6	48	178	213
4,000	2	EC(†)-4016	L	C	21-9/16	22-1/4	3.332-6	48	347	375
4,000	2	EC(†)-4024	L	C	21-9/16	22-1/4	3.332-6	48	354	362
6,000	3	EC(†)-6005	S	P	23-1/4	22-25/32	3.332-6	48	260	320
6,000	3	EC(†)-6010	L	C	26	26-5/8	3.332-6	48	396	424
6,000	3	EC(†)-6016	L	C	26	26-5/8	3.332-6	48	403	431
8,000	4	EC(†)-8008	L	C	25-15/16	26-3/4	4-6	***	520	560
8,000	4	EC(†)-8012	L	C	25-15/16	26-3/4	4-6	***	527	567
10,000	5	EC(†)-10005	L	C	29-3/4	30-5/8	4-6	***	561	599
10,000	5	EC(†)-10008	L	C	29-3/4	30-5/8	4-6	***	568	606

† Specify ECT for plain trolley, ECGT for geared trolley, and ECMT for motorized trolley models.

\* S = Small frame hoist, single or three phase. L = Large frame hoist, three phase only.

† P = Parallel mount, standard on small frame hoists. C = Cross mount, standard on large frame hoists.

\*\*Weight for 10 ft. lift ECT units. Add 10 lb. for ECGT unit weights.

\*\*\*4 & 5 ton straight track only. Articulated model for 48" min. radius curved track available - consult factory.

NOTE: Call for complete dimensional data..



1/4 - 5 Ton  
Made in USA

## ED Extended Duty Hoists - EC Hoists for Special Applications

**Coffing ED Models** - Extended duty service for special applications which require a hoist that exceeds the duty rating of basic EC models.

- Capacities & Lifts - Rated loads from 1/4 to 2 Tons, with 10, 15, and 20-foot standard lifts. Other lifts available. Standard push button drop is 4-feet less than lift.
- Voltage & Motor Options - 230/460, three phase motors standard. Totally enclosed, fan-cooled motor keeps both motor and transmission from overheating. Consult factory for other voltage and speed options.
- Suspension Options - Rigid lug; plain, geared, and motorized trolleys.

- Load Chain - Zinc plated standard for corrosion resistance.
- Duty Cycle - Exceeds H4 duty service.
- External Strain Relief - Secures to NEMA 3R push button station with extra strain relief protection.
- Accessories - Full line of options are available to meet a variety of applications.
- Lifetime Warranty.

Capacity (Lbs)	(Ton)	Model* No.	No. of Chains	Motor HP	Lift Speed (FPM)	Headroom (in)	Housing Dimensions (in) H W L	Net Wt. (Lbs)
1000	1/2	ED(†)-1032	1	1	32	17-1/4	8-1/4 11-5/8 26-1/4	128
2000	1	ED(†)-2016	1	1	16	17-1/4	8-1/4 11-5/8 26-1/4	130
4000	2	ED(†)-4008	2	1	8	19-5/16	8-1/4 11-5/8 26-1/4	145

NOTE: Call for complete dimensional information.

\* Lug, plain, geared, or motorized trolley mounting.

† Specify ED for rigid lug, EDT for plain trolley, EDGT for geared trolley & EDMT for motorized trolley models.

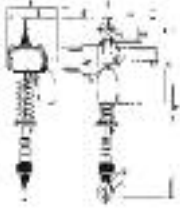


1/2 - 2 Ton  
Made in USA

## Electric Chain Hoists

### Harrington ED-II/Dual Speed Adjustable

Single Phase Electric Chain Hoist

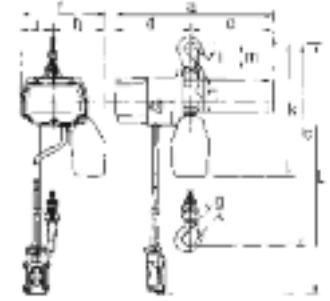
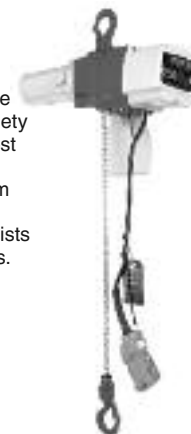


In our ED Series of electric chain hoists, we offer the user a powerful combination of benefits. A wide variety of lifting speeds. A low headroom designed to fit most applications. A unique, ergonomically designed, one-handed cylinder control that results in maximum load control. These features tied together with the convenience of single-phase power, make these hoists ideal for both commercial and industrial applications.

- Maximum extension – 9 ft. of lift.
- High Speed/Low Speed control.
- One hand cylinder control button.
- Detachable hook.
- Screw adjustment for low speed setting.

### Harrington ED-II/Single & Dual

Single Phase Electric Chain Hoist



#### Specifications

Cap. (lbs)	Single Speed S Model	Dual Speed DS Model	Dual Adj. DA Model	Lifting Speed (ft/min)		Std. Lift (ft)		Push Button Cord: L (ft)		Motor Output (HP)	Intermittent Duty		Duty Rating (min)	Rated Current at 120V (amps)	
	Prod. Code	Prod. Code	Prod. Code	S Model	DS & DA Model	S & DS Model	DA Model	S & DS Model	DA Model		Duty Rating % ED	Max. Start Freq. (Times/Hr)			
125	ED125S	ED125DS	ED125DA	69	69/13	10	6	8	Coiled	0.4	30	180	15	5	
220	ED220S	ED220DS	ED220DA	43	43/10						20	120	10	6	
250	ED250S	ED250DS	ED250DA	26	26/10						0.8	30	180	20	10
350	ED350S	ED350DS	ED350DA	66	66/13						0.4	20	120	10	6
400	ED400S	ED400DS	ED400DA	26	26/10						0.8	30	180	20	10
525	ED525S	ED525DS	ED525DA	44	44/10										

#### Dimensions (in)

	Headroom C (in)											Net Wt. (lbs)			Wt. for Additional One Foot of Lift (lbs)	
Cap. (lbs)	S & DS Model	DA Model	a	d	e	f	g	h	i	j	k	S Model	DS Model	DA Model	S Model	DS Model
125							1.0					23	24	31	0.26	0.29
220	12.4	37.2	14.6	7.4	7.2	8.1		4.8	3.1		13.4	23	24	31		
250												24	25	32		
350	13.0	37.8	16.9	8.1	8.8	8.6		5.3	3.3		14.3	33	34	40		
400	12.4	37.2	14.6	7.4	7.2	8.1		4.9	3.1		13.4	24	25	32		
525	13.0	37.5	16.9	8.1	8.8	8.6		5.3	3.3		14.3	33	34	40		

## EC Turnover Hoists - EC Hoists for Special Applications

**Coffing EC Turnover Models** - Specially modified EC hoist designed for machining, assembly, or repair applications which require complete rotation and/or precise positioning of large, non-symmetrical work pieces.

- Capacities & Lifts - Rated loads from 1/4 to 4 Tons. Lift stroke is 15-foot standard. Consult factory for longer lift strokes.
- Voltage - 230/460, three phase motors standard. Consult factory for other voltages and two speed motors.
- Suspension Options - Rigid lug mount only. Allows attachment to load hook of another hoist for vertical lifting.
- Two Load Hooks - Color coded load hooks with corresponding push button for operator convenience.

- Operation - Load hooks operate in opposite directions.
- Application - Completely inverts virtually any shape load with use of simple slings and successive repositioning of load hooks.
- Accessories - Full line of options to meet a variety of applications.
- Lifetime Warranty.



Capacity (Lbs)	Model (Ton)	Frame Number	Load Chain Size*	Lift Stroke Length (Ft)	Motor (Ft)	Lift Speed (FPM)	Headroom (in)	Housing Dim. (in)			Net Wt. (Lb.)	
								H	W	L		
500	1/4	EC-0516-TH	S	16	15	1/4	16	19-7/8	9-7/8	11-5/8	23-3/8	120
1,000	1/2	EC-1016-TH	S	16	15	1/2	16	19-7/8	9-7/8	11-5/8	23-3/8	126
2,000	1	EC-2016-TH	S	16	15	1	16	19-7/8	9-7/8	11-5/8	23-3/8	138
4,000	2	EC-4016-TH	L	16	15	2	16	28-1/2	12-5/16	14-13/16	31-3/16	325
6,000	3	EC-6008-TH	L	34**	15	3	8	33	13-5/16	15-3/8	31-3/16	385
8,000	4	EC-8008-TH	L	34**	15	3	8	33	13-5/16	15-3/8	31-3/16	390

\* S = Small frame hoist, single or three phase. L = Large frame hoist, three phase only.

\*\* Each load block is double-chained on 6000 lb. and 8000 lb. models. NOTE: Call for complete dimensional data.

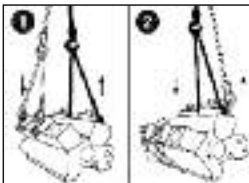
#### How to Specify Coffing Electric Chain Model Numbers

EC - 05 16 - 1 - 10

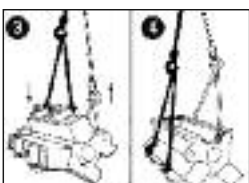
Models		Capacity (lb)	Lift Speed	Voltage	Lift
EC	Electric Chain, Hook Mounted	02 250	04 4 FPM	1 115/230 V (Single-Speed)	10 10 Ft.
ELC	Electric Chain, Hook Mounted	05 500	05 5 FPM	2 230 V (Two-Speed)	15 15 Ft.
ECT	Electric Chain, w/Plain Trolley	10 1,000	06 6 FPM	3 230/460 V (Single-Speed)	20 20 Ft.
ELCET	Electric Chain, w/Plain Trolley	20 2,000	08 8 FPM	4 460 V (Two Speed)	25 25 Ft.
ECGT	Electric Chain, w/Geared Trolley	40 4,000	09 9 FPM	5 575 V (Single-Speed)	30 30 Ft.
ECMT	Electric Chain, w/Motorized Trolley	60 6,000	10 10 FPM	6 575 V (Two-Speed)	35 35 Ft.
ELCMT	Electric Chain, w/Motorized Trolley	80 8,000	12 12 FPM	7 208 V (Single-Speed)	40 40 Ft.
ED	Extended Duty, Lug Mounted	100 10,000	16 16 FPM	8 208 V (Two-Speed)	45 45 Ft.
EDT	Extended Duty, w/Plain Trolley		24 24 FPM		
EDGT	Extended Duty w/Geared Trolley		32 32 FPM		
EDMT	Extended Duty w/Motorized Trolley		64 64 FPM		

Consult your Sales Rep. for special voltages

Etc.



Engine block is raised straight up (1) by special cylinder lift rings, then rotated approx. 45° until one load hook (2) supports total weight.



Sling is guided under block and attached to free hook (3). Hoist is then reversed (4) until block is inverted.

## Hoists

# Electric Chain & Wire Hoists

## JLC Top Hook and Lug Suspension - The Choice for Value and Performance

**Coffing JLC Models** - Designed for industrial duty performance. Compact in size, the JLC features a multiple disc motor brake, overload clutch, and chain end stop for safety.

- Capacities & Lifts - Rated loads from 1/8 to 2 Tons, with 10, 15, and 20 foot standard lifts. Other lifts available. Standard push button drop is 4-feet less than lift.
- CSA Approved.
- Voltages - 115/230 - single phase; 230/460, 208, 380, 415, 575 - three phase, 60 hertz standard, 50 hertz available.

Capacity		Model No.	No. of Chains	Motor HP	Lift Speed (FPM)		Headroom* (in)	Housing Dim. (in)			Net Wt. (Lbs)**
(Lbs)	(Ton)				Single	Two		H	W	L	
250	1/8	JLC-0232	1	1/4	32	10.7	18-1/8	8-11/16	8-11/16	24-1/8	63
500	1/4	JLC-0516	1	1/2	16	5.3	18-1/8	8-11/16	8-11/16	24-1/8	63
500	1/4	JLC-0532	1	1/2	32	10.7	18-1/8	8-11/16	8-11/16	24-1/8	75
1,000	1/2	JLC-1016	1	1/2	16	5.3	18-1/8	8-11/16	8-11/16	24-1/8	75
1,000	1/2	JLC-1032	1	1	32	10.7	18-1/8	8-11/16	8-11/16	24-1/8	88
2,000	1	JLC-2016	1	1	16	5.3	18-1/8	8-11/16	8-11/16	24-1/8	88
4,000	2	JLC-4008	2	1	8	2.7	20-13/16	8-11/16	8-11/16	24-1/8	100

\* For hook and lug mounted models only. \*\* Weight and dimensions for 10 ft. lift, single phase, top hook and lug suspension units.  
NOTE: Call for complete dimensional data.

- Two-Speed Hoist Models - Optional with 3 to 1 speed ratio, three-phase, single voltage only.
- Limit Switches - Adjustable to regulate upper and lower load travel. Brass nuts standard for improved repeatability and chain positioning.
- Oil Bath Transmission - Precision machined alloy steel gears run in oil bath for longer, quieter operation.
- NEMA 3R Push Button Station - Ergonomic design fits operator's hand for thumb or two-handed operation. 24 Volt Control for operator safety. 115 Volt Control available upon request.
- Frame - Compact aluminum housing for portability and ease of installation.
- Accessories - Call for complete details.
- Lifetime Warranty.



1/8 - 2 Ton  
Made in USA

## JLC Trolley Suspensions

**Coffing JLCET and JLCMT Models** - Plain and motorized trolley suspensions with all the features of the basic JLC models for added flexibility in a variety of applications.

- Plain Trolley - For manual positioning of hoist and load.
- Motorized Trolley - For faster positioning of hoist and load over longer distances. 35 or 75 FPM speeds standard other speeds available. Trolley brake optional.
- Voltages - 115/230 - single phase; 230/460, 208, 380, 415, 575 - three phase, 60 hertz standard, 50 hertz available.
- Two-Speed Motorized Trolley Models - Optional with 3 to 1 speed ratio, three-phase, single voltage only.

Capacity		Model Number	Trolley Mount †	JLCET Hdrm (in.)	JLCMT Hdrm (in)	JLCET Flange* Width (in)	Beam Ht. (in)	Min. Rad Curve (in)	JLCET Net Wt. (lb)	JLCMT Net Wt. (in)
(lb)	(ton)									
250	1/8	JLC(+)-0232	C	17-15/16	17-15/16	3-8	5-12	48	87	173
500	1/4	JLC(+)-0516	C	17-15/16	17-15/16	3-8	5-12	48	87	173
500	1/4	JLC(+)-0532	C	17-15/16	17-15/16	3-8	5-12	48	99	185
1000	1/2	JLC(+)-1016	C	17-15/16	17-15/16	3-8	5-12	48	91	185
1000	1/2	JLC(+)-1032	C	17-15/16	17-15/16	3-8	5-12	48	112	198
2000	1	JLC(+)-2016	C	17-15/16	17-15/16	3-8	5-12	48	114	200

- Wrap-Around Side Plates - Act as safety lugs and as bumpers to protect wheels. Available to fit American Standard I-Beams, wide-flange, and patented track beams.
- Precision Trolley Wheels - Machined, cast iron wheels with sealed, lifetime lubricated ball bearings for extended trolley life. Motorized trolley wheels are heat treated for added durability, with bronze and stainless steel wheels optional.
- Trolley Design - 4-wheel design negotiates 48" minimum radius curve, including patented track applications (60" for JLCET 2-Ton only). Specify track type and beam size.
- Lifetime Warranty.



1/8 - 2 Ton  
Made in USA

† Specify JLCET for plain trolley and ELCMT for motorized trolley models.  
‡ P = Parallel Mount, standard on all JLC trolley models.  
\* For JLCMT models, standard flange adjustment is 3.33 - 6" and standard beam height is 6 - 18".  
NOTE: Call for complete dimensional data.

## CM Motorized Trolley - Smooth, Reliable Operation

**Coffing MT Model Trolley** - Features rugged construction with wrap-around side plates and heat treated wheels for reliable service. Universal clevis allows quick mounting of most hook mounted electric chain hoists.

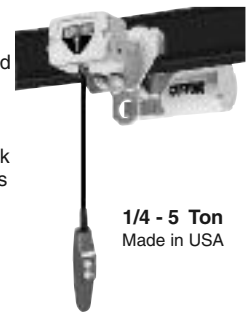
- Capacities - Rated loads from 1/4 to 5 Tons. Push button drop is 6-feet.
- Voltages - 115/230, 208 - single phase; 230/460, 208, 220/380, 575 - three phase, 60 hertz standard, 50 hertz available.

Capacity		Model Number	Motor HP	Flange Width (in)	Min. Rad. Curve (in)	Net Wt. (Lb)
(lbs)	(ton)					
500	1/4	MT-05035	1/4	3.332-7	48	115
500	1/4	MT-05075	1/4	3.332-7	48	115
1,000	1/2	MT-10035	1/4	3.332-7	48	115
1,000	1/2	MT-10075	1/4	3.332-7	48	115
2,000	1	MT-20035	1/4	3.332-7	48	115
2,000	1	MT-20075	1/4	3.332-7	48	115
3,000	1-1/2	MT-30035	1/4	3.332-7	48	115
3,000	1-1/2	MT-30075	1/4	3.332-7	48	115
4,000	2	MT-40035	1/4	3.332-7	48	115
4,000	2	MT-40075	1/4	3.332-7	48	115
6,000	3	MT-60035	1/4	3.332-7	48	115
6,000	3	MT-60075	1/2	3.332-7	48	115
8,000	4	MT-80035	(2)1/4	4-7	**	220
8,000	4	MT-80075	(2)1/2	4-7	**	220
10,000	5	MT-100035	(2)1/4	4-7	**	220
10,000	5	MT-100075	(2)1/2	4-7	**	220

\*\* 4 & 5 Ton - straight track only. Articulated model for 48" min. radius curved track available - consult your Sales Rep.

Note: Please call for complete dimensional data.

- Speeds - 35 and 75 FPM speeds standard with optional speeds of 18, 24, 50, 100, and 150 FPM.
- Two-Speed Models - Optional with 3 to 1 speed ratio, three-phase, single voltage only. Slow speed feature for gentler start and greater positioning accuracy.
- Mounting - Universal clevis will accept top hook models. Can change EC and ELC suspensions to lug mount directly to MT trolley - consult your Sales Rep.
- Trolley Design - 4-wheel design on 1/4 - 3 Ton and under. 8-wheel design on 4 and 5-Ton for reduced beam flange stresses. Specify track type and beam size.
- NEMA 3R Push Button - Ergonomic design fits operator's hand for thumb or two-handed operation. 24 Volt Control standard for operator safety. 115 Volt Control available upon request.
- Accessories - Trolley brake and other options available to meet a variety of applications.
- Lifetime Warranty.



1/4 - 5 Ton  
Made in USA



## Accessories for Electric Chain Hoists

### Fabric Chain Container – CM Lodestar & Valustar Models

CM's chain bags offer an alternative to the standard metal chain container for use with Lodestar or Valustar electric chain hoists. Chain bags are made from an open weave vinyl coated polyester designed especially for extended outdoor life. Not recommended for applications over 300°F, in extremely caustic environments or for chain weight exceeding 300 lbs.

Product Code	Maximum length of lift (ft)						Bag Size (in)	Bag Ht. (in)	Approx. Wt. (lbs)
	Models A-AA-B-C-F WB-WF	Models E-H WH-WE	Models J, JJ, L, LL WI-WJ	Models R, RR WR	Models RT, RRT				
2470	20	10	—	—	—	7-1/2 x 7-1/2	7	3	
2471	40	20	—	—	—	7-1/2 x 7-1/2	10	3	
2472	60	30	—	—	—	7-1/2 x 7-1/2	13	3	
2473	90	45	—	—	—	7-1/2 x 7-1/2	16	4	
2474	100	60	—	—	—	7-1/2 x 7-1/2	18	4	
2475	140	90	—	—	—	7-1/2 x 7-1/2	20	4	
2476	—	—	10	—	—	7-1/2 x 7-1/2	7	3	
2477	—	—	20	10	—	7-1/2 x 7-1/2	10	3	
2478	—	—	30	15	10	7-1/2 x 7-1/2	13	3	
2479	—	—	45	20	—	7-1/2 x 7-1/2	16	4	
2480	—	—	60	30	20	7-1/2 x 7-1/2	18	4	
2481	—	—	90	45	30	7-1/2 x 7-1/2	20	4	

Features include:

- Flexible and lightweight material
- Dampens noise
- Will not hold water
- Excellent resistance to ultraviolet rays, mildew stains, rot, and weather
- Moisture resistant - quick drying
- High tensile and tear strength
- Abrasion resistant
- No shrinkage
- Bags and brackets are suitable for chain weights up to 300 lbs.
- Made in U.S.A.



### Metal Chain Container – CM Lodestar



- Convenient for slack chain storage
- Simple one pin attachment for easy installation
- Security cable included
- Available for every Lodestar and Valustar model
- Made in U.S.A.

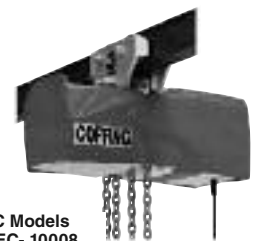
Product Code	Bucket Length ‡	Bucket Diameter	Maximum Length of Lift (ft)					
			Approximate Shipping Wt (lbs)	Models A, AA, B, C & F	Models E & H	Models J, JJ, L & LL	Models R & RR	Models RT & RRT
2450	8	5	4	10				
2451	11	5	5	20	10	10		
2452	14	5	5	30	15	15		
2453	17	5	6	40	20	20	10	
2454	20	5	7	50	254	25		
2455	23	5	7	60	30	30	15	10
2456	31	5	9	90	45	40	20	
2457	36	5	10	100	50	60	30	20
2458	48	5	13	140	*70	90	45	30
2461	10	10	13	44	22	20	14	9
2463	15	10	15	104	52	66	33	2210
2464	20	10	17	166	83	106	53	35
2465	25	10	20	230	115	144	72	48
2466	30	10	23	290	145	150	90	60

† Advise if bucket length causes headroom problems, larger diameter shorter length buckets available.  
\* E & H limit switch maximum is 60 ft.  
When ordering, specify code number(s), model capacity, beam size, power supply, suspension, lift, extra control cord or power cord (if required) and type of electrification (if required).

### Weather Resistant Covers (Fits Coffing EC & ELC Models)

- Models - To fit Coffing EC and ELC models.
- Material - Waterproof to protect hoist in outdoor use.
- Safety - Does not interfere with normal hoist operation while in place.

For Small Frame EC Models EC-0516 - EC-4008 (except EC-2032)		
Hoist Rated Load (lbs)	Type of Mount	Part No.
500	Hook or Lug	EC-760-1
1,000	Hook or Lug	EC-760-2
2,000	Hook or Lug	EC-760-3
4,000	Hook or Lug	EC-760-4
6,000	Not Available	Not Available.
For Large Frame EC Models EC-2032, EC4016 - EC- 10008 (except EC-6005)		
4,000	Hook	EC-761-1
4,000	Lug	EC-761-2
6,000	Hook	EC-761-3
6,000	Lug	EC-761-4
8,000	Lug	EC-761-5
10,000	Lug	EC-761-6



For Large Frame EC Models EC-2032, EC4016 - EC- 10008 (except EC-6005)

## Hoists

# Accessories for Electric Chain Hoists

## Chain Containers (Fits Coffing EC, ED, & JLC Models)

- Models - To fit Coffing EC, ED, and JLC models.
- Mounting - Suspends from hoist and does not interfere with hoist operation. Suspension bracket included.
- Safety: Recommended where slack chain may create a hazardous condition.

Model No.	"△" Dim. (in)	Capacity (in Feet Per Hoist Lift)		
		1-Chain Single	2-Chain Double	3-Chain Triple
For Small Frame EC Models EC-0516 - EC-4008 (except EC-2032), EC-6005, and all ED Models				
927JG17	10-7/16	20	10	N/A
927JG18	12-1/2	25	12.5	N/A
927JG19	16	35	17.5	12
927JG20	20-1/4	50	25	17
927JG202A	20	75	37	25
927JG203A	24	100	50	33
927JG204A	35	150	75	50
For Large Frame EC Models EC-2032, EC-4016 - EC-10008 (except EC-6005)				
927JG201	16	15	N/A	N/A
927JG202	20	30	15	10
927JG203	24	50	25	16.5
927JG204	35	75	37.5	25
927JG205	48-3/4	100	50	33.3
927JG207	26	150	75	50
927JG208	32	200	100	66.6
For JLC Models - Molded Polyolefin				
JLC927-1	20-1/2	20	10	N/A
JLC927-2	16	35	17	N/A
JLC927-3	20-1/4	50	22.5	N/A
JLC927-4	N/A	Over 50	25	N/A
For JLC Models - Fabric Type				
JLC927-20F	16	20	10	N/A
JLC927-35F	22	35	17-1/2	N/A
JLC927-50F	26	50	25	N/A
JLC927-70F	31	70	35	N/A

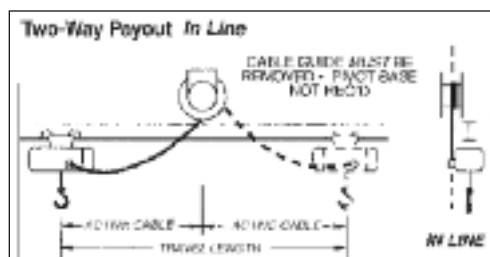
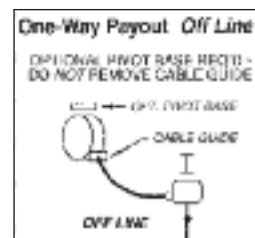
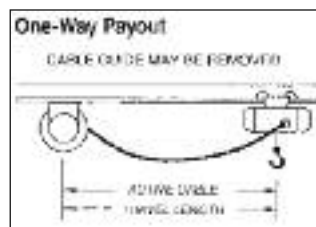


## Cord Reels – Coffing

Electrification necessary for Electric Chain Hoists

- Construction - NEMA 3R all-welded, solid steel construction. UL and CSA listed.
- Design - Provides instant availability of power cord and prevents looping and snagging.
- Ratchet Lock - Works in any position to hold cord in place and may be disengaged for constant use.
- Cable Guide - Multi-position, field adjustable, and removable for different payout configurations.
- Collector Assembly - Rated at 600 volts.
- Optional Pivot Base - For 340° off-line payout.

Cable Size (AWG)	Model No.	Phase	Active Cable Length (Ft.)
No. 14-3 Conductor	DN-3-25	1	25
No. 14-3 Conductor	DN-3-50	1	50
No. 14-4 Conductor	DN-4-25	3	25
No. 14-4 Conductor	DN-4-45	3	45



## Festooning Packages (Coffing)

- Flat Cable Kit - Includes suspension wire and power cable.
- Round Cable Kit - Includes suspension wire but not power cable.

Model No.	Cable Size (Gauge)	Length (Ft)	No. of Carriers
<b>Flat Cable Festooning Package</b>			
HEF-12-35	12	35	4
HEF-12-50	12	50	6
<b>Round Cable Festooning Package</b>			
HER-35	-	35	4
HER-50	-	50	6



## Air Chain Hoists

### AirStar 6 Air Hoist

Model	Rated capacity* (tons)	Product code	Reeving	Full load hoist Speed** (FPM)	Full load lowering speed** (FPM)	Approx. net Wt.
<b>AIRSTAR 6 WITH HOOK SUSPENSION</b>						
<i>Standard Models</i>						
	1	7405A	1	13	18	93
	1	7405B	1	30	42	95
	2	7406A	2	6	9	110
	2	7406B	2	15	21	112
	3	7407A	3	4	6	144
	3	7407B	3	10	14	146
<i>Spark Resistant Models</i>						
	1/2	7408A	1	16	22	95
	1	7409A	2	8	11	112
	2	7410A	3	5	7	146
<b>AIRSTAR 6 WITH LUG SUSPENSION</b>						
<i>Standard Models</i>						
	1	7405C	1	13	18	106
	1	7405D	1	30	42	108
	2	7406C	2	6	9	116
	2	7406D	2	15	21	118
	3	7407C	3	4	6	164
	3	7407D	3	10	14	166
<i>Spark Resistant Models</i>						
	1/2	7408B	1	16	22	110
	1	7409B	2	8	11	120
	2	7410B	3	5	7	170

CM AirStar 6 air hoist is designed for general industrial applications where variable speed pneumatic power is preferable. Rated for loads of up to 3 tons. This compact, lightweight hoist features:

- CM Hoistaloy load chain for heavy duty or stainless steel chain for spark resistant, medium duty loads
- Lightweight aluminum frame and cover
- Positive action, spring biased Weston-type load brake holds the load, provides exacting load spotting and control
- Multi-vane rotary air motor with eight vanes for high torque, smooth operation, positive starting
- Precision cut heat treated helical and spur gear combination for quiet, efficient operation
- Pendant throttle handle is full flow design for precision throttle capabilities
- Spark resistant models available for hazardous environments
- Hook or lug suspension available
- Standard overload protector device
- Chain container optional
- Lifetime warranty
- Made in U.S.A.

\*\* Hoist speeds based on 90 PSI line pressure with full load at throttle.



### AirStar Air Hoist

CM AirStar is designed for general commercial applications where variable speed pneumatic power is preferable. Rated for 1/4, 1/2 and 1 ton capacities, this compact, lightweight hoist features:

Type	Rated Cap.* (tons)	Pull cord control Product code no.	Net wt. (lbs.)	Pendant ** throttle control Product code no.	Net wt. (lbs.)	Reeving	Lifting speed max. † (FPM.)	Lowering speed max. † (FPM.)
<b>AIRSTAR WITH HOOK SUSPENSION</b>								
<i>Standard Models</i>								
Roller Chain	1/4	7400A	37	7400B	47	1	65	95
	1/2	7401A	37	7401B	47	1	45	120
	1	7402A	51	7402B	61	2	23	60
Link Chain	1/4	7400C	36	7400D	46	1	65	95
	1/2	7401C	36	7401D	46	1	45	120
	1	7402C	49	7402D	59	2	23	60
<i>Spark Resistant Models</i>								
Link Chain	3/8	7403A	36	7403B	46	1	60	100
	3/4	7404A	49	7404B	59	2	29	52
<b>AIRSTAR WITH LUG SUSPENSION</b>								
<i>Standard Models</i>								
Link Chain	1/4	7400F	36	7400G	46	1	65	95
	1/2	7401F	36	7401G	46	1	45	120
	1	7402F	49	7402G	59	2	23	60
<i>Spark Resistant Models</i>								
Link Chain	3/8	7403C	36	7403D	46	1	60	100
	3/4	7404C	49	7404D	59	2	29	52

\*\* Equipped with 6 ft. pendant control.

† Speeds based on 90 PSI line pressure and with full rated hoist load.

Hoist speeds are adjustable and can be reduced to 50% of full rated speed. Shipped from factory with hoisting speed set at maximum rated speed; lowering speed set at reduced speed.

Standard lift 10 feet. Longer lifts available.

- CM Hoistaloy load chain for heavy duty or stainless steel chain for spark resistant, medium duty loads
- Positive action, heavy-duty shoe type brake that holds the load
- Multi-vane rotary air motor for high torque, smooth operation
- Accurately machined heat treated alloy steel spur gears
- Spark resistant models available for hazardous environments
- Pull cord or pendant throttle control available
- Pull cord control hoists provide a lightweight, economical hoist for accurate control of loads
- Hook or lug suspension available
- Optional pendant throttle control hoists offer ergonomic, one-hand control for ease of operation
- Inlet air swivel with built-in strainer provides free hoist movement
- Aluminum frame and end cover contributes to the lightweight, easily portable, and rugged design
- External brake adjustment
- Limit stops prevent over-travel in upper and lowering directions
- Equa-torque gearing of alloy steel, heat treated spur gears are accurately machined to provide a close meshed, compact gear reduction
- Tapped exhaust port 1/2 NPTF... for cleanroom applications or to add a supplemental muffler in addition to the built-in muffler for even quieter operation
- Lifetime warranty
- Made in U.S.A.



## Hoists

# Air Chain Hoists

## Profi - J.D.Neuhaus

JDN Air Hoists Profi Series are very robust and therefore suitable for tough industrial applications even in continuous working processes. According to your requirements, there are various control systems available. For traversing loads there are also different trolley designs to meet your particular demands.

### Where the JDN Profi excellence has been proven:

Aircraft construction, assembly lines, chemical industry, dairies, electro plating, explosives and pyrotechnics industry, food industry, foundries, furniture industry, glass industry, lacquer and varnish factories, match industry, mechanical engineering, auto industry, oil storage plants, on and offshore, paint shops, paper industry, power plants, refineries, sawmills, shipyards, space industry, tempering plants, textile industry.

### Standard features

- Suitable for application in hazardous areas
- Sensitive infinitely variable speed control for the precise positioning of loads
- Easy operation
- Suitable for lube-free operation
- 100% duty rating and unlimited duty cycles
- Low maintenance
- Low headroom, lightweight
- Sound absorption
- Insensitive to dust, humidity, and temperatures ranging from -20°C bis +70°C
- From 1t upwards with overload protection (EC-version)

### Technical Details

- Smooth starting, low maintenance vane motor
- Chain sprocket in the mid section runs in dust-proof maintenance-free ball bearings
- Planetary gear box with long-life grease lubrication, all gears made of tempered or hardened high-grade steel
- Load chain and hooks manufactured from high quality tempered steels with a breaking strength of five times the nominal load

### The advantages at a glance

- Strong – Fast – Silent
- High performance with more efficiency by reliability plus high lifting and lowering speeds. Low sound emissions.
- High Level of Safety
- Integrated emergency stop switch in the main air supply\*.
- From 1t upwards with overload protection. Oil-free operation
- Patented, permanent motor lubrication during operation, using a high-performance grease. No additional motor lubrication required.
- Patented Motor-Brake System
- For operation with low maintenance and little wear. Based on the proven design of the JDN Mini Series.
- Modern Design – Compact Size
- No protruding control hoses or parts susceptible to damage
- PROFI also suitable for horizontal pulling.
- 100% Duty rating – No Downtime

Type		25TI	30TI	37TI	40TI	50TI	60TI	75TI	100TI
Air Pressure	PSI	85	85	85	85	85	85	85	85
	bar	6	6	6	6	6	6	6	6
Capacity	mt	25	30	37.5	40	50	60	75	100
Number of Chain Strands		2	2	3	3	4	4	4	4
Motor Output	kW	6.3	6.3	6.3	6.3	6.3	6.3	10	10
Lifting Speed Without Load	ft/min	7.9	3.3	5.6	2.3	4.3	1.5	1.5	2.3
	m/min	2.4	1	1.7	0.7	1.3	0.45	0.45	0.7
Lifting Speed at Full Load	ft/min	4.1	7.9	2.5	5.6	1.8	4.3	2.8	1.1
	m/min	1.25	2.4	0.75	1.7	0.55	1.3	0.85	0.35
Lowering Speed at Full Load	ft/min	9.2	9.2	6.6	6.6	5.3	5.3	3.3	2.6
	m/min	2.8	2.8	2	2	1.6	1.6	1	0.8
Air Consumption at Full Load - Lifting	cfm	230	230	230	230	230	230	230	390
	m3/min	6.5	6.5	6.5	6.5	6.5	6.5	6.5	11
Air Consumption at Full Load - Lowering	cfm	102	102	102	102	102	102	102	425
	m3/min	2.9	2.9	2.9	2.9	2.9	2.9	2.9	12
Air Connection		G1-1/2	G1-1/2	G1-1/2	G1-1/2	G1-1/2	G1-1/2	G1-1/2	G1-1/2
Hose Dimension (Ø inside)	inch	1-1/2	1-1/2	1-1/2	1-1/2	1-1/2	1-1/2	1-1/2	1-1/2
	mm	35	35	35	35	35	35	35	35
Weight with Standard Lift, Rope Control	lbs	1213	1213	1874	1874	2072	2072	5622	5820
	kg	550	550	850	850	940	940	2550	2640
Chain Dimension	mm	23.5 x 66	23.5 x 66	23.5 x 66	23.5 x 66	23.5 x 66	23.5 x 66	23.5 x 66	32 x 90
Weight of Chain	lbs/ft	8.2	8.2	8.2	8.2	8.2	8.2	8.2	14.3
	kg/m	12.2	12.2	12.2	12.2	12.2	12.2	12.2	21.3
Standard Lift	ft	10	10	10	10	10	10	10	10
	m	3	3	3	3	3	3	3	3
Length of Control at Standard Lift	ft	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5
	m	2	2	2	2	2	2	2	2
Noise Level at Full Load* - Lifting		78	78	78	78	78	78	78	88
Noise Level at Full Load* - Lowering		82	82	82	82	82	82	82	89

\* Measured at 1m distance acc. to DIN45635 part 20 Group mechanism at 6 bar: Profi 25TI - Profi 50 M3 (1Bm), Profi 100TI M2 (1Cm)  
4 bar versions on request





## Wire Rope Winch-Hoists

### Portable Cable Winch-Hoists - LUG-ALL

#### Three Basic Frame Sizes

Lift, lower, pull, bend, stretch, tighten at any angle, in any position (when used in accordance with accepted rigging practices)

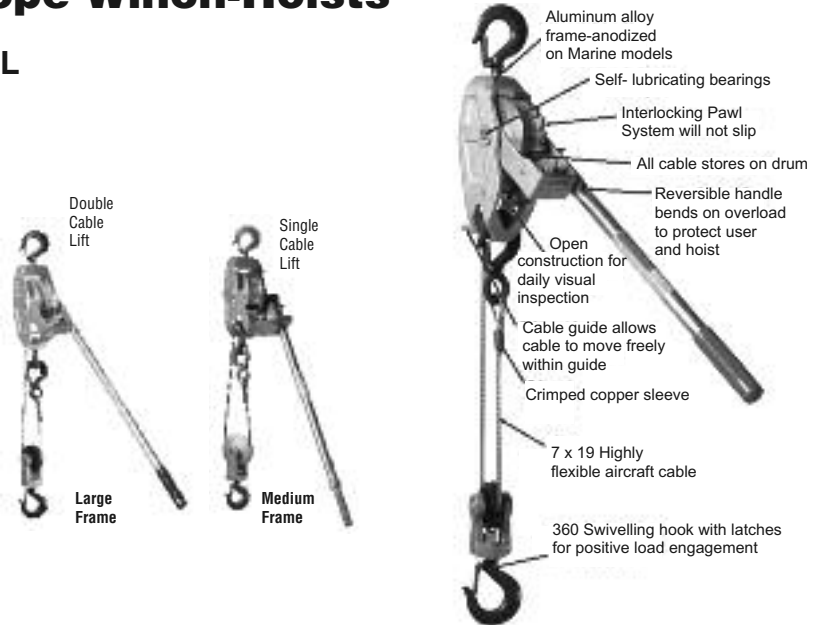
Lightweight, portable Lug-Alls are easy to carry...easy to rig. Safe and sturdy, these dependable cable ratchet-lever winch-hoists have unlimited applications in industry and construction. Safety features include reversible handle that bends when the hoist is severely overloaded, and an interlocking pawl system that provides positive control.

A variety of Lug-All models is available in four basic frame sizes. Options include rapid lowering for backing off 4 notches-per-stroke, and marine grade for highly corrosive conditions. Call for additional details.

**LUG-ALL CAR DOOR PULLERS** - Compact and portable—but rugged enough to open box car doors without banging or prying. With a Lug-All, even dislodging stuck doors becomes a one-man job.

*Model 30-HDR, 3000 lb. - capacity, 30ft. cable*

*Model 12-HDR, 3000 lb. - capacity, 10 ft. cable.*



	Cap. Tons	LUG-ALL Model No.s	Double Line Capacity				Single Line Capacity				Cable		Total Wt. (lbs)
			Cap. (lbs)	Handle Pull for Full Load (lbs)	Lifting Distance (ft)	Min. Distance between Hooks (ft)	Cap (lbs)	Handle Pull for Full Load (lbs)	Lifting Distance (ft)	Min. Distance between Hooks (in)	Dia. (in)	Length (ft)	
Sm.	1/2	1000-15* or 115-R*	—	—	—	—	1,000	77	15	16	3/16	16	7
	3/4	1500-25 OR 125-R	1,500	67	12-1/2	21	750	65	25	16	5/32	26	8-1/2
	1-1/8	2250-15 OR 215-R	2,250	86	7-1/2	21	1,125	83	15	16	3/16	16	8-3/4
	1-1/8	2250-20	2,250	86	10	21	1,125	83	20	16	3/16	21	9-1/4
	1-1/2	3000-10 OR 310-R	3,000	100	5	21	1,500	97	10	16	7/32	11'6"	9
Med.	1-1/8	2250-38 OR 238-R	2,250	100	19	23-1/2	1,125	83	38	18	3/16	39'6"	13-3/4
	1-1/2	3000-30 OR 330-R	3,000	100	15	23-1/2	1,500	97	30	18	7/32	31'6"	13-3/4
	2	4000-20 OR 420-R	4,000	115	10	26-1/2	2,000	110	20	18-1/2	1/4	22	15-1/2
Lg.	3	6000-15	6,000	110	7-1/2	34	3,000	105	15	26-1/2	5/16	18	34

Suffix "R" denotes rapid lowering units.

\*Without pulley block

Specifications subject to change without notice.

For Marine Grade (with stainless steel cable, anodized castings, and oiled-for-life bearings throughout) add suffix "M" to model number.

### Pow'R-Pulls

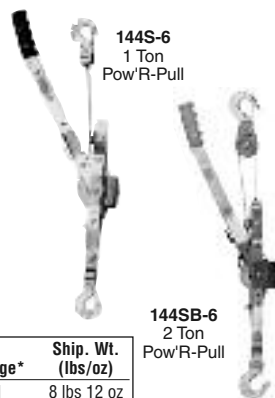
#### LIFETIME WARRANTY

For over 60 years, Maasdam has produced Pow'R-Pulls to exacting standards. Using only premium components, we produce the finest quality winch/ puller available, backed by a full Lifetime Warranty- a first for domestic winches.

#### Features:

- 1 piece, aluminum alloy ratchet wheel
- High strength, electro-plated steel parts
- "Notch-at-a-time" letdown
- Drop forged steel slip hooks
- Non-slip plastic grip
- OSHA recommended safety latches
- Uses galvanized, aircraft quality cable

#### Maasdam Pow'R-Pull®



Part No.	Cap. (ton)	Max. Lift (ft)	Cable Dia. (in)	Leverage*	Ship. Wt. (lbs/oz)
144SB-6	2	6	3/16	30:1	8 lbs 12 oz
144S-6	1	12	3/16	15:1	7 lbs 10 oz

\* Ratio of pressure exerted on handle to load placed on cable. For example, 10 pounds of pressure exerted on handle of part no. 144SB-6 with a 30:1 load factor places load of 300 pounds on cable

#### Strap Pull'Rs - LIFETIME WARRANTY

#### Pow'R-Pull features... Strap Pull'R benefits

- Flexible strapping material conforms to and controls the load – non-conductive properties
- Precision-cast aluminum alloy ratchet wheel – one piece construction
- Interlocking, precision fit, steel alloy pawls with safety spacer sleeve
- Cold rolled, high strength, tempered steel frame and handle
- Drop-forged steel slip hooks with osha recommended safety latches
- Heavy gauge steel, reinforced ratchet guard
- Aircraft-type, heat treated bolts
- High tensile, fully rotating steel swivel
- Trouble free, "notch-at-a-time" letdown
- Permanent, comfortable, non-slip grip



Part No.	Cap. (ton)	Strap Lgth. (ft)	Leverage*	Ship. Wt. (lbs/oz)
WS-25	1	25	10:1	7.67 lbs

\* Ratio of pressure exerted on handle to load placed on strap.

## Hoists

# Wire Rope Winch-Hoists

## Long Haul Rope Pullers

### LIFETIME WARRANTY

- Manufactured to the same exacting standards as our other pullers
- Uses highway approved, 1/2" diameter wear resistant dacron® polyester rope – twisted or braided
- Can Accommodate an Unlimited Length of Rope

Part No.	Cap. (ton)	Max. Lift (ft)	Rope Dia. (in)	Leverage*	Ship. Wt. (lbs/oz)
A-20	3/4 Ton	20	1/2	10:1	8.8 lbs



## The More Power Puller®

### 2 Ton Capacity (with double line)

This heavy-duty industrial portable ratchet puller/hoist has been designed and proven to perform in a variety of demanding environments without bending, breaking, or collapsing.

The components are made of solid, thick cast iron. The cable is 5/16" flexible wire rope. The More Power Puller® is not light-weight like other brands of come alongs. This cable puller is 27 pounds of iron and steel.

#### Features:

- 2 ton and 3 ton capacity (dead lift rating)
- Dimensions: 17" length x 6" width x 8" height
- 27 lbs. of solid ductile and malleable iron construction
- Extra heavy duty 5/16" (6 x 37) wire rope
- More built-in safety factors than other brands
- Easily field repairable and inexpensive to maintain
- Lasts for generations

### The Wyeth-Scott Co.



Model No.	Cable Lgth (ft)	Wt. (lbs)
2-20	20	25
2-30	30	27
2-35C	35	28
1-1/2-20*	20	23

## Webstrap Pullers/ Hotstick Hoists

Designed for overhead maintenance and construction of energized lines.  
Engineered for reliable operation

Meets ANSI B30.21 and has been tested to 125% of rated load.

Forged Hooks with latches.

Double flanged drum prevents the web strap from coming in contact with the ratchet teeth.

Exclusive breakable stress link that signals the operator of an overload condition by breaking before the fiberglass handle breaks and/or load-carrying part of the hoist is overloaded.

#### Positive load holding in all environments

Double interlocking pawl mechanism. No load brakes to slip or foul.

#### Ease of operation

Open frame construction allows for cleaning and visual inspection. Self-lubricating bearings throughout the housing and on the pulley assure smooth operation.

### Useful cost-effective options

Five hook styles that are designed to meet your application requirements and work practice standards. Models equipped with hot stick levers, rings, and hot stick latches for remote operation using approved hot line tools. All make for smooth operation with heavy insulated gloves.

### The Right Hook for Any Application

Standard Latching Hook (A) – Forged alloy steel hooks for lasting strength and durability. Latches are standard.

Swivel Gate Hook (U) – Hook latch revolves on hook shank and locks under spring tension in open or closed position.

Hot Stick Ring with Standard Latching Hook (B) – Hot stick hooks have a welded 1-inch diameter ring and standard latches for use with approved hot stick tools.



Insulated for Electrical Work\*

### WARNING!

These hoists are intended for industrial use and not for lifting or supporting human cargo.

Swivel Gate Hook with Hot Stick Ring (UB)  
– Offers same revolving and locking hook shank features as our standard swivel gate, but incorporates a 1-inch diameter welded hot stick ring.

Hot Stick Ring with Hot Stick Hook Latch (HB) – Hot stick hook latch models have rings on the hook and latch for use on energized lines. Using holding sticks, the latch and hook can be easily maneuvered.



LUG-ALL Models  
2, 3 and 4 Insulated  
Winch Hoists

Model	Capacity (ton)	Single Pull Distance		Capacity (ton)	Double Pull Distance		Strap Length	Handle Length	Net Weight
		Min	Max		Min	Max			
2-A	1/2	16"	9'-6"	1	21"	4'-5"	10'	30"	10.25
2-B	1/2	16"	9'-6"	1	21"	4'-5"	10'	32"	10.5
2-U	1/2	18"	9'-6"	1	24"	4'-4"	10'	30"	10.75
2-UB & HB	1/2	18"	9'-6"	1	24"	4'-4"	10'	32"	11
25-A	3/4	16"	7'-6"	1-1/2	21"	3'-5"	8'	20"	10
25-B	3/4	16"	7'-6"	1-1/2	21"	3'-5"	8'	22"	10.5
25-U	3/4	18"	7'-6"	1-1/2	24"	3'-4"	8'	20"	10.5
25-UB	3/4	18"	7'-6"	1-1/2	24"	3'-4"	8'	22"	10.75
25-HB	3/4	18"	7'-6"	1-1/2	24"	3'-4"	8'	22"	11
3-A	3/4	19"	11'-3"	1-1/2	27"	5'-1"	11'-5"	30"	14
3-B	3/4	19"	11'-3"	1-1/2	27"	5'-1"	11'-5"	32"	14.5
3-U	3/4	21"	11'-3"	1-1/2	30"	5'-0"	11'-5"	30"	15
3-UB	3/4	21"	11'-3"	1-1/2	30"	5'-0"	11'-5"	32"	15
3-HB	3/4	20"	11'-3"	1-1/2	29"	5'-0"	11'-5"	32"	15.25
4-A	1	19"	9'-4"	2	27"	4'-1"	10'	36"	15.5
4-B	1	19"	9'-4"	2	27"	4'-1"	10'	38"	16
4-U	1	21"	9'-4"	2	31"	4'-0"	10'	36"	16
4-UB	1	21"	9'-4"	2	31"	4'-0"	10'	38"	16.5
4-HB	1	20"	9'-4"	2	29"	4'-0"	10'	38"	16.25

Model 2 has formed opening for hook at bottom of frame, instead of eye bolt.

Every LUG-ALL is fully guaranteed for one full year against defective workmanship and/or materials.

# Griphoist- Trifor Wire Rope Winch/Hoist

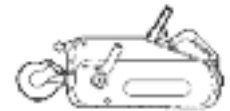
## GRIPHOIST – Hoist Technical Information

Model	Approx. Speed per Min	Material Lifting Capacity (lbs)	Weight (lbs)	Wire Rope (lbs)	Overall Dimensions	Handle Ext./Closed	Griphoist-Trifor Wire Rope	
							Dia. (in)	Break Load (lbs)
TU-17	7-9	2000*/1500**	18.5	30ft @ 8	20-3/4x9-3/4x4-1/2	28/18	5/16	10,000
TU-28	7-8	4000*/3000**	41	60ft @ 28.9	26x13x5-3/4	45/26	7/16	20,000
TU-32	7-9	8000*/6000**	59.5	30ft @ 8	27x13x6-1/8	45/26	5/8	40,000
T-508	7-9	2000*	14.25	30ft @ 8	16-1/2x9-7/8x3-7/8	27/16	5/16	10,000
T-516	6	4000*	30	60ft @ 18	20-7/8x12-7/16x5	45/26	7/16	20,000
T-532	6	8000*	51	30ft @ 8	24-7/16x14x5-1/8	45/26	5/8	40,000

\* Capacity for material handling.  
\*\*Capacity for manriding - conform to all safety regulations.



**TU-508**  
Material Hoisting Capacity 1 ton



**TU-28**  
N.S.N. 3950-00-226-9444  
1-1/2 tons manriding U.L. classified



**TU-17**  
N.S.N. 3950-00-724-6156  
3/4 tons manriding U.L. classified



**T-532**  
Material Hoist Capacity 4 ton



**TU-32**  
Material Hoisting Capacity 2 ton



**TU-32**  
N.S.N. 3950-01-006-0733  
3 tons manriding U.L. classified

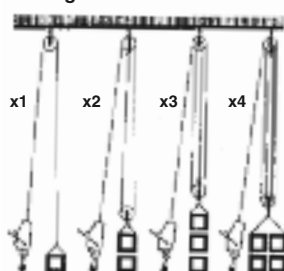
### Increase of Lifting and Pulling Power

Griphoist machines used in conjunction with **sheave blocks** will efficiently solve most of your pulling and lifting problems.

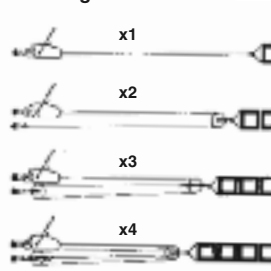
By using sheave blocks on the hauling rope, the nominal capacity of Griphoist machines can be multiplied 2, 3 and even 4 times as shown in the diagram.

As a rule, it is not difficult to figure the number of line parts to be used for a given load. It is however important, especially when there is a greater number of line parts, to take into account the friction in the sheaves, which can have a non negligible influence on the strain exerted on the hoist and the top anchoring hook of the block.

### Lifting



### Pulling



## BLOCSTOP® Fall Arrest Device - Griphoist

The BLOCSTOP is a fall arrest safety device which has been designed to be mounted on a steel wire rope and to work in conjunction with a scaffolding hoist. A set of jaws, used successfully in TIRFOR machines over many years, serves as the gripping device.

The system is of the self-locking type i.e. if the wire rope is pulled against the direction of the pull, the jaws automatically clamp onto the wire rope. The greater the pull, the more the jaws grip the wire rope. The self-gripping jaw system of the BLOCSTOP is designed not to damage the wire rope, even when used in emergency situations.

### Applications:

- On basketball backboards
- On spreader bars of overhead cranes
- On special lifts for the handicapped
- On canvas aircraft hangar doors
- When ascending lift shafts
- When stowing goods in aircraft
- For use as a mobile anchor lifting device.

### The Manual BLOCSTOP BS

The hand operated BLOCSTOP of the BS type may be mounted either on a safety wire rope and fixed to the platform or on the main suspension wire rope above the scaffolding hoist.

When lifting a load, the wire rope passes through the BLOCSTOP. There is no need to open the jaws. When lowering a load, the BLOCSTOP has to be opened by lifting the operating lever upwards.

Model	Cap. (lbs)	Wt. (lbs)	For TIRFOR/TIRAK Wire Rope Dia. (in)
BS 15.311	1000	4.4	1/4
BS 15.301	1500	4.4	5/16
BS 20.300	1500	8	5/16
BS 20.303	2000	8	3/8
BS 20.330	2000	8	13/32
BS 20.301	3000	8	7/16
BS 35.30	6000	19	5/8



### The Automatic BLOCSTOP BSA

This type of BLOCSTOP is an automatic slack wire rope safety device which can only be used on a secondary safety wire rope positioned parallel to the main suspension wire rope.

### The Automatic BLOCSTOP BSA (continued)

When the hoist and BLOCSTOP BSA are mounted on an articulated platform stirrup as it is generally the case in North America, the BLOCSTOP BSA protects against the failure of the hoist and the main wire rope. When the hoist and BLOCSTOP BSA are mounted on a stirrup which is rigidly connected to the platform, as is generally the case in Europe, the BLOCSTOP BSA not only protects against failure of the hoist and the main wire rope but also against excessive slope of the platform. To ensure operation of this BLOCSTOP BSA, the distance between the upper suspension points has to be 100 mm.



Model	Cap. (lbs)	Wt. (lbs)	For TIRFOR/TIRAK Wire Rope Dia. (in)
BSA 15.301	1500	9	5/16
BSA 15.303	1500	9	3/8
BSA 20.300	1500	13	5/16
BSA 20.303	2000	13	3/8
BSA 20.330	2000	13	13/32
BSA 20.301	3000	13	7/16
BSA 35.30	6000	21	5/8

### The overspeed BLOCSTOP BSO

This type of BLOCSTOP may be mounted either on the main suspension wire rope above the scaffolding hoist or on the safety wire rope. In North America, the BLOCSTOP BSO is an integral part of our TIRAK hoist. In this BLOCSTOP version the jaws are maintained in an open position during normal operation. A centrifugal governor which permanently checks the speed of the wire rope passing through the BLOCSTOP BSO, engages the clamping mechanism when a preset overspeed is reached. It is, therefore, a safety device against failure of the hoist or the main wire rope run-off. In order to cover the case of a slow slippage of the hoist, this type of BLOCSTOP BSO is also fitted with an emergency stop button, which allows manual engagement of the clamping mechanism.

Model	Cap. (lbs)	Weight (lbs)	For TIRAK Series	Wire Rope Dia (in)
BSO 510	660	10	X-310	1/4
BSO 500	1500	10	X-300	5/16
BSO 500	1500	10	X-500	5/16
BSO 500	1500	10	T-500	5/16
BSO 520	1500	10	X-520	3/8
BSO 1000	1750	13	T-1000	5/16
BSO 1020	2000	13	T-1020	3/8
BSO 1030	2000	13	T-1030	13/32





## Hoists

# Griphoist Information

## 5 Facts

- Griphoist is a **universal tool**: it is a hoist, a winch, a tensioner, a binder, a puller and much more.
- Griphoist is a **portable tool**: it has the lowest weight to capacity ratio of any hoist or winch with nearly comparable capacities.
- Griphoist is a **unique tool**: due to its unique wire rope gripping system, it provides **unlimited** pulling length or lifting height and pin-point accuracy in positioning any work load.
- Griphoist offers **safety**: it is simply designed and ruggedly constructed with the finest alloy heat-treated steel. The load is automatically held securely with overload protection.
- Griphoist is an **indispensable tool** for all construction and maintenance jobs. It is used daily by millions of people all over the world.



## 6 Models

Over 30 years of manufacturing experience are behind the present T-500 and TU-GRIPHOIST range which is protected by the original GRIPHOIST patents and manufactured in 14 countries throughout the world under the trademarks TIRFOR - GRIPHOIST - GREIFZUG.

The 3 new SUPER LIGHTWEIGHTS, Models T-508, T-516, and T-532 are 20% lighter, more compact and handy and have an improve load capacity vs: weight ratio, and range in capacity from 2000 - 8000 lbs.

The TU-GRIPHOIST range includes presently 3 hand-operated models with systematically graduated capacities from 2000 up to 8000 lbs.

The TU-17, TU-28, and TU-32 are also accepted for manriding in the major industrial countries (for example by Underwriters Lab., Chicago, USA, Germany, etc.)

The general principle may be described as a "hand-over-hand" principle like a sailor pulling on a rope: while one hand pulls, the other one changes position in order to pull in turn.

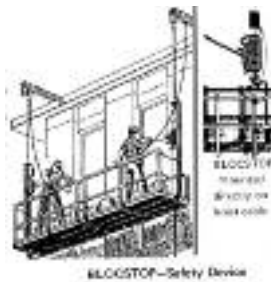
The 2 jaw grips represent the 2 hands of the GRIPHOIST: they grip the wire rope without damaging it and alternately haul it during forward motion and clamp it during reverse motion.

**T-508** - material lifting capacity **2000 lbs.**

**The Lightweight #1** - The T-508 is the lightweight #1 of the new T-500 series. It has an improved load capacity vs: weight ratio. Also new is that with only a 60° angle lever operation you get a faster lift or pull. This saves considerable amount of energy, time and money. The T-508 is exactly right for applications in construction, steel and frame structures, mining, utilities etc.

**TU-17** - material lifting capacity **2000 lbs.**  
U.L. classified 1500 lb. man-riding capacity\*\*  
N.S.N. 3950-00-724-6165

**The Manriding Specialist** - moves platforms and suspended scaffolds for rough casting, cleaning, repairing, and painting facades, chimneys, reservoirs, ships, oil rigs, etc.



**Other uses:**

**Building and Installation:** guying formwork, accurate positioning lightweight elements such as air conditioning.

**Electricity:** tensioning lines, guying masts, antennas, etc.

**Agriculture:** tensioning wire fencing, pulling out trees, maintenance on equipment and buildings.  
**Leisure:** de-ditching cars and pulling boats ashore.

**T-516** - material lifting capacity **4000 lbs.**

**The Lightweight #2** - for all jobs where minimum weight is of maximum interest:

**Steel erection:** accurate positioning of metal structures, guying metal framework.

**Electricity:** tensioning aerials (electricity and telephone), erecting poles, assembling pylons.



**Transport:** loading and unloading, securing loads.

**Industry:** rigging operations in workshops, maintenance of machinery, installation of boilers, valves, pipes, spotting railroad cars.

**TU-28** - material lifting capacity **4000 lbs.**  
U.L. classified 3000 lb. man-riding capacity\*\*  
N.S.N. 3950-00-226-9444

**The Allrounder** - basic model which allows to cover the largest field of applications. Due to its sturdiness, the best-suited hoist for:

**Construction, civil engineering, and public works:**

lifting and removing formwork, positioning precast elements, reservoirs, erecting steel structures and cranes, guying piling, planking and upright formwork, lifting heavy suspended scaffolds, tensioning safety nets.



**Also:** fire brigades and civil defense: removing crash wreckage, installing temporary bridges, demolishing buildings.

**T-532** - material lifting capacity **8000 lbs.**

**The Lightweight #3** - again a low-weight machine (51 lbs.) in comparison to its capacity (8,000 lbs.)



Makes its use interesting for applications where the weight factor is important.

**Steel erection:** fixing heavy girders, erection steel buildings, derricks, silos; lifting hopper bottoms; assembling tall aerial cableway pylons.

**Industry:** installation and removal of heavy machinery, presses; removal for repairs of heavy machinery parts in sugar mills, cement plants, oil and chemical industries.

**Transport:** debogging trucks, securing heavy loads.

**TU-32** - material lifting capacity **8000 lbs.**

U.L. classified  
6000 lb. man-riding capacity\*\*  
N.S.N. 3950-01-006-0723

**The Heavy-duty** - The strongest and the sturdiest machine of the whole range. Indispensable for:



**Construction:** moving complete frameworks and heavy formwork, installing elevators and escalators, lifting heavy working platforms for construction or maintenance of chimneys, blast furnaces, containment vessels.

**Public works:** moving bridge structures, pulling precast concrete beams into position, laying and joining pipes (even underwater), tensioning tracks and conveyor belts.

**Army:** countless use for Engineering Corps, Army, Commandos, Signals, and Transportation as well as for Air Force and Navy.

Available now the 2 ton and 4 ton motorized GRIPHOIST TU-28H and TU-32H with electrohydraulic and pneumatic drives. Also our GRIPWINCH unit for material handling with faster speed, unlimited travel, 1000 - 2000 lbs. capacity. Ask for detailed brochures.

\*\*according to OSHA regulations





## NOTES